01-0836

REPORT

SDMS # 223756

Removal Design/Removal Action Work Plan for the Group 3A and 3B Floodplain Properties

Volume III of III

General Electric Company
Pittsfield, Massachusetts

April 2005

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Group 3A Properties

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Parcel I7-2-26

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TABLE D-1
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-26

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-1 0-1 11/18/04	3A-A9-1 1-3 11/18/04	3A-A9-2 0-1 11/18/04	3A-A9-2 1-3 11/18/04	3A-A9-2 3-5 11/18/04	3A-A9-3 0-1 11/18/04	3A-A9-3 1-3 11/18/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
1,2-Dichlorobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
1,2-Diphenylhydrazine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
1,3,5-Trinitrobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
1,3-Dichlorobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
1,3-Dinitrobenzene	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
1,4-Dichlorobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
1,4-Naphthoquinone	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
1-Naphthylamine	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
2,3,4,6-Tetrachlorophenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2,4,5-Trichlorophenol	ND(0.40)	ND(0.38)	ND(0.39)	0.32 J	ND(0.41)	ND(0.40)	ND(0.45)
2,4,6-Trichlorophenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2,4-Dichlorophenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2,4-Dimethylphenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2,4-Dinitrophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0) J	ND(2.3)
2,4-Dinitrotoluene	ND(0.40)	ND(0.38)	ND(0.39)	0.90	ND(0.41)	ND(0.40)	ND(0.45)
2,6-Dichlorophenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2,6-Dinitrotoluene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2-Acetylaminofluorene	ND(0.80) J	ND(0.77) J	ND(0.78) J	ND(0.85) J	ND(0.82) J	ND(0.80)	ND(0.91) J
2-Chloronaphthalene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2-Chlorophenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2-Methylnaphthalene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2-Methylphenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
2-Naphthylamine	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
2-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0) J	ND(2.3)
2-Nitrophenol	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
2-Picoline	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
3&4-Methylphenol	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
3,3'-Dichlorobenzidine	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80) J	ND(0.91)
3,3'-Dimethylbenzidine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
3-Methylcholanthrene	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
3-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.3)
4,6-Dinitro-2-methylphenol	ND(0.40) J	ND(0.38) J	ND(0.39) J	ND(0.42) J	ND(0.41) J	ND(0.40) J	ND(0.45) J
4-Aminobiphenyl	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
4-Bromophenyl-phenylether	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
4-Chloro-3-Methylphenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
4-Chloroaniline	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
4-Chlorobenzilate	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
4-Chlorophenyl-phenylether	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
4-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.3)
4-Nitrophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.3)
4-Nitroquinoline-1-oxide	ND(0.80) J	ND(0.77) J	ND(0.78) J	ND(0.85) J	ND(0.82) J	ND(0.80) J	ND(0.91) J
4-Phenylenediamine	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
5-Nitro-o-toluidine	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
7,12-Dimethylbenz(a)anthracene	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
a,a'-Dimethylphenethylamine	ND(0.80)	ND(0.77)	ND(0.78) J	ND(0.85) J	ND(0.82) J	ND(0.80)	ND(0.91) J
Acenaphthene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	0.20 J	ND(0.40)	0.095 J
Acenaphthylene	0.35 J	0.27 J	0.30 J	ND(0.42)	0.40 J	0.28 J	0.83
Acetophenone	ND(0.40)	ND(0.38)	ND(0.39) J	ND(0.42) J	ND(0.41) J	ND(0.40)	ND(0.45) J
Aniline	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Anthracene	0.23 J	0.19 J	0.26 J	ND(0.42)	1.8	0.30 J	0.46
Aramite	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
Benzidine	ND(0.80) J	ND(0.77) J	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80) J	ND(0.91)
Benzo(a)anthracene	0.50	0.39	0.76	ND(0.42)	5.2	0.44	1.3
Benzo(a)pyrene	0.33 J	0.24 J	0.68	ND(0.42)	7.2	0.23 J	1.2
Benzo(b)fluoranthene	0.41	0.34 J	0.58	ND(0.42)	4.5	0.33 J	0.72
Benzo(g,h,i)perylene	0.20 J	0.13 J	0.31 J	ND(0.42)	3.7	0.091 J	0.54
Benzo(k)fluoranthene	0.25 J	0.20 J	0.48	ND(0.42)	5.5	0.21 J	0.74
Benzyl Alcohol	ND(0.80) J	ND(0.77) J	ND(0.78) J	ND(0.85) J	ND(0.82) J	ND(0.80) J	ND(0.91) J
bis(2-Chloroethoxy)methane	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
bis(2-Chloroethyl)ether	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
bis(2-Chloroisopropyl)ether	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
bis(2-Ethylhexyl)phthalate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.45)
Butylbenzylphthalate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Chrysene	0.45	0.29 J	0.78	ND(0.42)	7.7	0.29 J	1.1
Diallate	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	1.0	ND(0.40)	0.10 J

TABLE D-1
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-26

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-1 0-1 11/18/04	3A-A9-1 1-3 11/18/04	3A-A9-2 0-1 11/18/04	3A-A9-2 1-3 11/18/04	3A-A9-2 3-5 11/18/04	3A-A9-3 0-1 11/18/04	3A-A9-3 1-3 11/18/04
Semivolatile Organics (continued)							
Dibenzofuran	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	0.16 J	ND(0.40)	ND(0.45)
Diethylphthalate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Dimethylphthalate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Di-n-Butylphthalate	ND(0.40)	ND(0.38)	0.34 J	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Di-n-Octylphthalate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Diphenylamine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Ethyl Methanesulfonate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Fluoranthene	0.65	0.41	1.6	ND(0.42)	9.1	0.63	1.6
Fluorene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	0.23 J	ND(0.40)	ND(0.45)
Hexachlorobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Hexachlorobutadiene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Hexachlorocyclopentadiene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Hexachloroethane	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Hexachlorophene	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
Hexachloropropene	ND(0.40) J	ND(0.38) J	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Indeno(1,2,3-cd)pyrene	0.17 J	ND(0.38)	0.25 J	ND(0.42)	3.3	ND(0.40)	0.42 J
Isodrin	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Isophorone	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Isosafrole	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
Methapyrilene	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
Methyl Methanesulfonate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Naphthalene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	0.12 J
Nitrobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
N-Nitrosodiethylamine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
N-Nitrosodimethylamine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
N-Nitroso-di-n-butylamine	ND(0.80) J	ND(0.77) J	ND(0.78) J	ND(0.85) J	ND(0.82) J	ND(0.80)	ND(0.91) J
N-Nitroso-di-n-propylamine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
N-Nitrosodiphenylamine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
N-Nitrosomethylethylamine	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
N-Nitrosomorpholine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
N-Nitrosopiperidine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
N-Nitrosopyrrolidine	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
o,o,o-Triethylphosphorothioate	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
o-Toluidine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
p-Dimethylaminoazobenzene	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
Pentachlorobenzene	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Pentachloroethane	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Pentachloronitrobenzene	ND(0.80)	ND(0.77)	ND(0.78)	ND(0.85)	ND(0.82)	ND(0.80)	ND(0.91)
Pentachlorophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.3)
Phenacetin	ND(0.80)	ND(0.77)	ND(0.78) J	ND(0.85) J	ND(0.82) J	ND(0.80)	ND(0.91) J
Phenanthrene	0.29 J	0.18 J	0.65	ND(0.42)	6.5	0.49	0.70
Phenol	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Pronamide	ND(0.40) J	ND(0.38) J	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Pyrene	0.79	0.43	1.5	ND(0.42)	9.0	0.60	1.7
Pyridine	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Safrole	ND(0.40) J	ND(0.38) J	ND(0.39) J	ND(0.42) J	ND(0.41) J	ND(0.40) J	ND(0.45) J
Thionazin	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.41)	ND(0.40)	ND(0.45)
Furans							
2,3,7,8-TCDF	0.0000083 Y	0.0000012 J	0.0000041 Y	0.0000048 Y	0.000011 YJ	0.000011 Y	0.000051 Y
TCDFs (total)	0.000086 Q	0.0000070	0.000046 Q	0.000050	0.00015	0.00013	0.00056 Q
1,2,3,7,8-PeCDF	0.000011	0.00000098 J	0.0000025 J	0.0000024 J	0.0000085 JQ	0.000066	0.000022 Q
2,3,4,7,8-PeCDF	0.0000071	0.00000085 J	0.0000039 J	0.0000019 J	0.000010 JQ	ND(0.0000073)	0.000049 Q
PeCDFs (total)	0.000080	0.0000054 J	0.000048 Q	0.000023 Q	0.000058 Q	0.00018	0.00064 Q
1,2,3,4,7,8-HxCDF	0.0000080	0.00000096 J	0.0000035 J	0.0000022 J	ND(0.0000074)	0.000040	0.000065
1,2,3,6,7,8-HxCDF	0.0000028 J	ND(0.00000057)	0.0000022 J	0.0000010 J	0.0000069 J	0.0000047 J	0.000021
1,2,3,7,8,9-HxCDF	ND(0.0000010) Q	ND(0.00000057) Q	ND(0.00000082)	ND(0.00000062)	ND(0.0000086) Q	0.0000019 J	0.0000066 JQ
2,3,4,6,7,8-HxCDF	0.0000038 J	0.00000080 J	0.0000034 J	0.0000010 J	ND(0.0000072)	0.0000049 J	0.000023
HxCDFs (total)	0.000063 Q	0.0000056 JQ	0.000063	0.000013	0.000015 JQ	0.00013	0.00049 Q
1,2,3,4,6,7,8-HpCDF	0.000017	0.0000026 J	0.000024	0.0000038 J	0.000012 J	0.000038	0.00014
1,2,3,4,7,8,9-HpCDF	0.0000011 J	ND(0.00000057)	0.00000097 J	ND(0.00000062)	ND(0.0000034)	0.0000053 J	0.0000074
HpCDFs (total)	0.000042	0.0000036 J	0.000051	0.0000057 J	0.000012 J	0.000076	0.00030
OCDF	0.000035	0.0000019 J	0.000031	0.0000035 J	0.0000092 J	0.000034	0.00020

TABLE D-1
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-26

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-1 0-1 11/18/04	3A-A9-1 1-3 11/18/04	3A-A9-2 0-1 11/18/04	3A-A9-2 1-3 11/18/04	3A-A9-2 3-5 11/18/04	3A-A9-3 0-1 11/18/04	3A-A9-3 1-3 11/18/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000023)	ND(0.00000023)	ND(0.00000033)	ND(0.00000025)	ND(0.0000065)	ND(0.00000042) X	ND(0.0000010) Q
TCDDs (total)	ND(0.00000076)	ND(0.00000073)	0.0000045	0.0000020 J	ND(0.0000065)	ND(0.00000088)	0.0000081 Q
1,2,3,7,8-PeCDD	ND(0.00000091) X	ND(0.00000057)	ND(0.00000087) X	ND(0.00000062)	ND(0.0000058) Q	ND(0.0000027) X	ND(0.000010) X
PeCDDs (total)	0.0000047 JQ	0.00000067 J	0.0000075 Q	0.0000014 JQ	ND(0.0000058) Q	0.0000040 JQ	0.000011 Q
1,2,3,4,7,8-HxCDD	ND(0.00000069) X	ND(0.00000057)	0.0000016 J	ND(0.00000062)	ND(0.0000072)	0.0000020 J	ND(0.000012) X
1,2,3,6,7,8-HxCDD	0.0000017 J	ND(0.00000057)	0.0000030 J	ND(0.00000062)	ND(0.0000064)	ND(0.0000022) X	0.0000093
1,2,3,7,8,9-HxCDD	ND(0.00000090) X	ND(0.00000057)	0.0000016 J	ND(0.00000062)	ND(0.0000069)	0.0000018 J	0.0000083
HxCDDs (total)	0.0000017 J	0.0000014 J	0.000027	ND(0.0000012)	ND(0.0000068)	0.000026	0.000059
1,2,3,4,6,7,8-HpCDD	0.000023	0.0000026 J	0.000048	0.0000037 J	0.0000073 J	0.000016	0.000088
HpCDDs (total)	0.000044	0.0000047 J	0.00010	0.000011	0.000012 J	0.000031	0.00016
OCDD	0.00018	0.000016	0.00042	0.000025	0.000023 J	0.00010	0.00070
Total TEQs (WHO TEFs)	0.0000077	0.0000014	0.0000054	0.0000026	0.000016	0.000014	0.000053
Inorganics							
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	0.980 B	ND(6.00)	ND(6.00)
Arsenic	6.80	6.20	6.50	8.90	18.0	3.20	5.90
Barium	59.0	79.0	61.0	84.0	70.0	36.0	140
Beryllium	0.220 B	0.220 B	0.180 B	0.260 B	0.170 B	0.110 B	0.180 B
Cadmium	0.430 B	0.160 B	0.100 B	ND(0.500)	3.60	0.160 B	0.850
Chromium	8.70	7.40	9.20	10.0	13.0	6.20	16.0
Cobalt	5.50	7.20	7.40	11.0	10.0	3.70 B	7.30
Copper	18.0	25.0	21.0	19.0	36.0	24.0	61.0
Cyanide	0.180	0.0860 B	0.260	0.280	0.890	0.460	1.20
Lead	200	160	160	62.0	280	33.0	250
Mercury	0.300	0.110 B	0.130	0.120 B	0.490	0.130	0.540
Nickel	8.80	14.0	13.0	15.0	16.0	8.00	12.0
Selenium	1.40	1.40	1.80 J	1.60 J	7.40 J	1.20 J	1.40 J
Silver	0.230 B	0.200 B	ND(1.00)	0.200 B	0.220 B	0.240 B	0.560 B
Sulfide	7.70 J	7.40 J	9.40	8.10	14.0	15.0	15.0
Thallium	ND(1.20) J	ND(1.20) J	ND(1.20) J	ND(1.30) J	0.990 J	ND(1.20) J	ND(1.40) J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	50.0	ND(10.0)	28.0
Vanadium	9.20	8.00	12.0	12.0	12.0	10.0	13.0
Zinc	120	120	110	88.0	1800	63.0	740

TABLE D-1
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-26

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:
1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)
- J - Estimated Value.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics
- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- J - Estimated Value.

TABLE D-2
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-26

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
2,4,5-Trichlorophenol	0.32	5,500	No
2,4-Dinitrotoluene	0.9	110	No
Acenaphthene	0.2	2,600	No
Acenaphthylene	0.83	55	No
Anthracene	1.8	14,000	No
Benzo(a)anthracene	5.2	0.56	**Yes**
Benzo(a)pyrene	7.2	0.056	**Yes**
Benzo(b)fluoranthene	4.5	0.56	**Yes**
Benzo(g,h,i)perylene	3.7	55	No
Benzo(k)fluoranthene	5.5	5.6	No
Chrysene	7.7	56	No
Dibenzo(a,h)anthracene	1	0.056	**Yes**
Dibenzofuran	0.16	210	No
Di-n-Butylphthalate	0.34	5,500	No
Fluoranthene	9.1	2,000	No
Fluorene	0.23	1,800	No
Indeno(1,2,3-cd)pyrene	3.3	0.56	**Yes**
Naphthalene	0.12	55	No
Phenanthrene	6.5	55	No
Pyrene	9	1,500	No
Inorganics			
Antimony	0.98	30	No
Arsenic	18	0.38	**Yes**
Barium	140	5,200	No
Beryllium	0.26	150	No
Cadmium	3.6	37	No
Chromium	16	210	No
Cobalt	11	3,300	No
Copper	61	2,800	No
Cyanide	1.2	11	No
Lead	280	400	No
Mercury	0.54	22	No
Nickel	16	1,500	No
Selenium	7.4	370	No
Silver	0.56	370	No
Sulfide	15	350	No
Thallium	0.99	6	No
Tin	50	45,000	No
Vanadium	13	520	No
Zinc	1,800	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-3
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-26 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	3A-A9-1 0-1 11/18/04	3A-A9-2 0-1 11/18/04	3A-A9-3 0-1 11/18/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	0.50	0.76	0.44	N/A (See Note 5)	0.57	7	No
Benzo(a)pyrene	0.33	0.68	0.23	N/A (See Note 5)	0.41	2	No
Benzo(b)fluoranthene	0.41	0.58	0.33	N/A (See Note 5)	0.44	7	No
Dibenzo(a,h)anthracene	**0.20**	**0.20**	**0.20**	N/A (See Note 5)	0.20	0.7	No
Indeno(1,2,3-cd)pyrene	0.17	0.25	**0.20**	N/A (See Note 5)	0.21	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.0000077	0.0000054	0.000014	1.40E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	6.80	6.50	3.20	N/A (See Note 5)	5.50	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-4
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-26 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-1 1-3 11/18/04	3A-A9-2 1-3 11/18/04	3A-A9-3 1-3 11/18/04	3A-A9-2 3-5 11/18/04
Semivolatile Organics				
Benzo(a)anthracene	0.39	**0.21**	1.3	5.2
Benzo(a)pyrene	0.24	**0.21**	1.2	7.2
Benzo(b)fluoranthene	0.34	**0.21**	0.72	4.5
Dibenzo(a,h)anthracene	**0.19**	**0.21**	0.10	1.0
Indeno(1,2,3-cd)pyrene	**0.19**	**0.21**	0.42	3.3
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000014	0.0000026	0.000053	0.000016
Inorganics				
Arsenic	6.20	8.90	5.90	18.0

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	1.78	7	No
Benzo(a)pyrene	N/A (See Note 5)	2.21	2	**Yes**
Benzo(b)fluoranthene	N/A (See Note 5)	1.44	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.38	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	1.03	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	5.30E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	9.75	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-5
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-26 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-1 1-3 11/18/04	3A-A9-2 1-3 11/18/04	3A-A9-3 1-3 11/18/04	3A-A9-2 3-5 11/18/04
Semivolatile Organics				
Benzo(a)anthracene	0.39	**0.21**	1.3	***0.198***
Benzo(a)pyrene	0.24	**0.21**	1.2	***0.198***
Benzo(b)fluoranthene	0.34	**0.21**	0.72	***0.198***
Dibenzo(a,h)anthracene	**0.19**	**0.21**	0.10	***0.256***
Indeno(1,2,3-cd)pyrene	**0.19**	**0.21**	0.42	***0.256***
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000014	0.0000026	0.000053	0.000016
Inorganics				
Arsenic	6.20	8.90	5.90	18.0

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.52	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.46	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.37	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.19	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.27	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	5.30E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	9.75	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set.

I7-2-30 (BACK)

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TABLE D-6
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-30

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID:	3A-A9-4	3A-A9-5	3A-A9-6
Sample Depth(Feet):	0-1	0-1	0-1
Date Collected:	11/22/04	11/22/04	11/23/04
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.41)	ND(0.52)
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.41)	ND(0.52)
1,2-Dichlorobenzene	ND(0.39)	ND(0.41)	ND(0.52)
1,2-Diphenylhydrazine	ND(0.39)	ND(0.41)	ND(0.52)
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.41)	ND(0.52)
1,3-Dichlorobenzene	ND(0.39)	ND(0.41)	ND(0.52)
1,3-Dinitrobenzene	ND(0.78)	ND(0.82)	ND(0.80)
1,4-Dichlorobenzene	ND(0.39)	ND(0.41)	ND(0.52)
1,4-Naphthoquinone	ND(0.78)	ND(0.82)	ND(0.80)
1-Naphthylamine	ND(0.78)	ND(0.82)	ND(0.80)
2,3,4,6-Tetrachlorophenol	ND(0.39)	ND(0.41)	ND(0.52)
2,4,5-Trichlorophenol	ND(0.39)	ND(0.41)	ND(0.52)
2,4,6-Trichlorophenol	ND(0.39)	ND(0.41)	ND(0.52)
2,4-Dichlorophenol	ND(0.39)	ND(0.41)	ND(0.52)
2,4-Dimethylphenol	ND(0.39)	ND(0.41)	ND(0.52)
2,4-Dinitrophenol	ND(2.0)	ND(2.1)	ND(2.6)
2,4-Dinitrotoluene	ND(0.39)	ND(0.41)	ND(0.52)
2,6-Dichlorophenol	ND(0.39)	ND(0.41)	ND(0.52)
2,6-Dinitrotoluene	ND(0.39)	ND(0.41)	ND(0.52)
2-Acetylaminofluorene	ND(0.78)	ND(0.82)	ND(0.80)
2-Chloronaphthalene	ND(0.39)	ND(0.41)	ND(0.52)
2-Chlorophenol	ND(0.39)	ND(0.41)	ND(0.52)
2-Methylnaphthalene	ND(0.39)	ND(0.41)	ND(0.52)
2-Methylphenol	ND(0.39)	ND(0.41)	ND(0.52)
2-Naphthylamine	ND(0.78)	ND(0.82)	ND(0.80)
2-Nitroaniline	ND(2.0) J	ND(2.1)	ND(2.6) J
2-Nitrophenol	ND(0.78)	ND(0.82)	ND(0.80)
2-Picoline	ND(0.39)	ND(0.41)	ND(0.52)
3&4-Methylphenol	ND(0.78)	ND(0.82)	ND(0.80)
3,3'-Dichlorobenzidine	ND(0.78) J	ND(0.82) J	ND(1.0) J
3,3'-Dimethylbenzidine	ND(0.39)	ND(0.41)	ND(0.52) J
3-Methylcholanthrene	ND(0.78)	ND(0.82) J	ND(0.80)
3-Nitroaniline	ND(2.0) J	ND(2.1)	ND(2.6) J
4,6-Dinitro-2-methylphenol	ND(0.39) J	ND(0.41) J	ND(0.52) J
4-Aminobiphenyl	ND(0.78)	ND(0.82)	ND(0.80)
4-Bromophenyl-phenylether	ND(0.39)	ND(0.41)	ND(0.52)
4-Chloro-3-Methylphenol	ND(0.39)	ND(0.41)	ND(0.52)
4-Chloroaniline	ND(0.39)	ND(0.41)	ND(0.52)
4-Chlorobenzilate	ND(0.78)	ND(0.82)	ND(0.80)
4-Chlorophenyl-phenylether	ND(0.39)	ND(0.41)	ND(0.52)
4-Nitroaniline	ND(2.0)	ND(2.1)	ND(2.0)
4-Nitrophenol	ND(2.0)	ND(2.1)	ND(2.6)
4-Nitroquinoline-1-oxide	ND(0.78) J	ND(0.82) J	ND(0.80) J
4-Phenylenediamine	ND(0.78)	ND(0.82)	ND(0.80)
5-Nitro-o-toluidine	ND(0.78)	ND(0.82)	ND(0.80)
7,12-Dimethylbenz(a)anthracene	ND(0.78)	ND(0.82)	ND(0.80) J
a,a'-Dimethylphenethylamine	ND(0.78)	ND(0.82)	ND(0.80)
Acenaphthene	ND(0.39)	ND(0.41)	0.23 J
Acenaphthylene	ND(0.39)	0.33 J	1.3
Acetophenone	ND(0.39)	ND(0.41)	ND(0.52)
Aniline	ND(0.39)	ND(0.41)	ND(0.52)
Anthracene	ND(0.39)	0.23 J	2.0
Aramite	ND(0.78)	ND(0.82)	ND(0.80)
Benzidine	ND(0.78)	ND(0.82) J	ND(1.0) J
Benzo(a)anthracene	ND(0.39)	0.79	13
Benzo(a)pyrene	ND(0.39)	0.72	11
Benzo(b)fluoranthene	ND(0.39)	0.83	8.8
Benzo(g,h,i)perylene	ND(0.39)	0.58	6.3
Benzo(k)fluoranthene	ND(0.39)	0.76	9.7
Benzyl Alcohol	ND(0.78) J	ND(0.82) J	ND(1.0) J
bis(2-Chloroethoxy)methane	ND(0.39)	ND(0.41)	ND(0.52)
bis(2-Chloroethyl)ether	ND(0.39)	ND(0.41)	ND(0.52)
bis(2-Chloroisopropyl)ether	ND(0.39)	ND(0.41)	ND(0.52)
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.40)	ND(0.40)
Butylbenzylphthalate	ND(0.39)	ND(0.41)	ND(0.52)
Chrysene	ND(0.39)	0.95	16
Diallate	ND(0.78)	ND(0.82)	ND(0.80)
Dibenzo(a,h)anthracene	ND(0.39)	ND(0.41)	1.4

TABLE D-6
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-30

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-4 0-1 11/22/04	3A-A9-5 0-1 11/22/04	3A-A9-6 0-1 11/23/04
Semivolatile Organics (continued)			
Dibenzofuran	ND(0.39)	ND(0.41)	0.13 J
Diethylphthalate	ND(0.39)	ND(0.41)	ND(0.52)
Dimethylphthalate	ND(0.39)	ND(0.41)	ND(0.52)
Di-n-Butylphthalate	ND(0.39)	ND(0.41)	ND(0.52)
Di-n-Octylphthalate	ND(0.39)	ND(0.41)	ND(0.52)
Diphenylamine	ND(0.39)	ND(0.41)	ND(0.52)
Ethyl Methanesulfonate	ND(0.39)	ND(0.41)	ND(0.52)
Fluoranthene	0.094 J	1.3	34
Fluorene	ND(0.39)	ND(0.41)	0.41 J
Hexachlorobenzene	ND(0.39)	ND(0.41)	ND(0.52)
Hexachlorobutadiene	ND(0.39)	ND(0.41)	ND(0.52)
Hexachlorocyclopentadiene	ND(0.39)	ND(0.41)	ND(0.52)
Hexachloroethane	ND(0.39)	ND(0.41)	ND(0.52)
Hexachlorophene	ND(0.78)	ND(0.82)	ND(1.0)
Hexachloropropene	ND(0.39)	ND(0.41) J	ND(0.52) J
Indeno(1,2,3-cd)pyrene	ND(0.39)	0.50	6.0
Isodrin	ND(0.39)	ND(0.41)	ND(0.52)
Isophorone	ND(0.39)	ND(0.41)	ND(0.52)
Isosafrole	ND(0.78)	ND(0.82)	ND(0.80)
Methapyrilene	ND(0.78)	ND(0.82)	ND(0.80)
Methyl Methanesulfonate	ND(0.39)	ND(0.41)	ND(0.52)
Naphthalene	ND(0.39)	ND(0.41)	ND(0.52)
Nitrobenzene	ND(0.39)	ND(0.41)	ND(0.52)
N-Nitrosodiethylamine	ND(0.39)	ND(0.41)	ND(0.52)
N-Nitrosodimethylamine	ND(0.39)	ND(0.41)	ND(0.52)
N-Nitroso-di-n-butylamine	ND(0.78)	ND(0.82) J	ND(0.80) J
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.41)	ND(0.52)
N-Nitrosodiphenylamine	ND(0.39)	ND(0.41)	ND(0.52)
N-Nitrosomethylethylamine	ND(0.78)	ND(0.82)	ND(0.80)
N-Nitrosomorpholine	ND(0.39)	ND(0.41)	ND(0.52)
N-Nitrosopiperidine	ND(0.39)	ND(0.41)	ND(0.52)
N-Nitrosopyrrolidine	ND(0.78)	ND(0.82)	ND(0.80)
o,o,o-Triethylphosphorothioate	ND(0.39)	ND(0.41)	ND(0.52)
o-Toluidine	ND(0.39)	ND(0.41)	ND(0.52)
p-Dimethylaminoazobenzene	ND(0.78)	ND(0.82)	ND(0.80) J
Pentachlorobenzene	ND(0.39)	ND(0.41)	ND(0.52)
Pentachloroethane	ND(0.39)	ND(0.41)	ND(0.52)
Pentachloronitrobenzene	ND(0.78)	ND(0.82)	ND(0.80)
Pentachlorophenol	ND(2.0)	ND(2.1)	ND(2.6)
Phenacetin	ND(0.78)	ND(0.82)	ND(0.80)
Phenanthrene	ND(0.39)	0.34 J	10
Phenol	ND(0.39)	ND(0.41)	ND(0.52)
Pronamide	ND(0.39)	ND(0.41)	ND(0.52)
Pyrene	0.10 J	1.6	24
Pyridine	ND(0.39)	ND(0.41)	ND(0.52)
Safrole	ND(0.39) J	ND(0.41) J	ND(0.52) J
Thionazin	ND(0.39)	ND(0.41)	ND(0.52)
Furans			
2,3,7,8-TCDF	0.000026 Y	0.000013 Y	0.000015 Y
TCDFs (total)	0.00041 QI	0.00028 QI	0.00011 Q
1,2,3,7,8-PeCDF	0.00020	0.00020	0.0000050 J
2,3,4,7,8-PeCDF	ND(0.000031)	ND(0.000012)	0.000015 J
PeCDFs (total)	0.00081 QI	0.00054 QI	0.00020 Q
1,2,3,4,7,8-HxCDF	0.00019	0.000036	0.0000093 J
1,2,3,6,7,8-HxCDF	0.000014	0.0000074	0.0000059 J
1,2,3,7,8,9-HxCDF	ND(0.000010)	ND(0.0000076)	ND(0.0000069) Q
2,3,4,6,7,8-HxCDF	0.000016	0.0000085	0.0000095 J
HxCDFs (total)	0.00055	0.00038 Q	0.00014 Q
1,2,3,4,6,7,8-HpCDF	0.000060	0.000038	0.000034
1,2,3,4,7,8,9-HpCDF	0.000046	0.000018	ND(0.0000025)
HpCDFs (total)	0.00021	0.00011	0.000062
OCDF	0.00019	0.000078	0.000060

TABLE D-6
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-30

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID:	3A-A9-4	3A-A9-5	3A-A9-6
Sample Depth(Feet):	0-1	0-1	0-1
Date Collected:	11/22/04	11/22/04	11/23/04
Dioxins			
2,3,7,8-TCDD	0.00000048 J	0.00000041 J	ND(0.0000044)
TCDDs (total)	0.0000010 JQ	ND(0.00000064)	ND(0.0000044)
1,2,3,7,8-PeCDD	ND(0.0000043)	ND(0.0000025)	ND(0.0000040)
PeCDDs (total)	ND(0.0000043)	ND(0.0000025)	0.000014 JQ
1,2,3,4,7,8-HxCDD	ND(0.0000019)	0.0000021 J	ND(0.0000041)
1,2,3,6,7,8-HxCDD	0.0000032 J	ND(0.0000031) X	0.0000053 J
1,2,3,7,8,9-HxCDD	ND(0.0000018)	ND(0.0000028) X	0.0000076 J
HxCDDs (total)	0.0000090	0.000033	0.000040
1,2,3,4,6,7,8-HpCDD	0.000041	0.000039	0.000067
HpCDDs (total)	0.000076	0.000075	0.00014
OCDD	0.00031	0.00032	0.00073
Total TEQs (WHO TEFs)	0.000048	0.000023	0.000019
Inorganics			
Antimony	16.0 J	11.0 J	ND(6.0)
Arsenic	7.00	8.80	10.0
Barium	63.0	53.0	80.0
Beryllium	0.210 B	0.250 B	ND(0.50)
Cadmium	0.420 B	0.650	1.00
Chromium	21.0	9.00	9.50
Cobalt	7.20	27.0	8.40
Copper	42.0	38.0	36.0
Cyanide	0.350	0.340	0.310
Lead	320	290	320
Mercury	0.320	0.490	0.190
Nickel	12.0	14.0	14.0
Selenium	ND(1.00)	ND(1.00)	ND(1.00) J
Silver	ND(1.0)	ND(1.0)	ND(1.0)
Sulfide	13.0 J	7.90 J	9.60
Thallium	ND(1.20)	ND(1.20)	ND(1.20)
Tin	100	27.0	ND(10.0)
Vanadium	9.20	9.40	12.0
Zinc	130	94.0	180

TABLE D-6
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-30

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)

I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Estimated Value.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Estimated Value.

TABLE D-7
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-30 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
Acenaphthene	0.23	2,600	No
Acenaphthylene	1.3	55	No
Anthracene	2	14,000	No
Benzo(a)anthracene	13	0.56	**Yes**
Benzo(a)pyrene	11	0.056	**Yes**
Benzo(b)fluoranthene	8.8	0.56	**Yes**
Benzo(g,h,i)perylene	6.3	55	No
Benzo(k)fluoranthene	9.7	5.6	**Yes**
Chrysene	16	56	No
Dibenzo(a,h)anthracene	1.4	0.056	**Yes**
Dibenzofuran	0.13	210	No
Fluoranthene	34	2,000	No
Fluorene	0.41	1,800	No
Indeno(1,2,3-cd)pyrene	6	0.56	**Yes**
Phenanthrene	10	55	No
Pyrene	24	1,500	No
Inorganics			
Antimony	16	30	No
Arsenic	10	0.38	**Yes**
Barium	80	5,200	No
Beryllium	0.25	150	No
Cadmium	1	37	No
Chromium	21	210	No
Cobalt	27	3,300	No
Copper	42	2,800	No
Cyanide	0.35	11	No
Lead	320	400	No
Mercury	0.49	22	No
Nickel	14	1,500	No
Sulfide	13	350	No
Tin	100	45,000	No
Vanadium	12	520	No
Zinc	180	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-8
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-30 (BACK) (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	3A-A9-4 0-1 11/22/04	3A-A9-5 0-1 11/22/04	3A-A9-6 0-1 11/23/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	**0.20**	0.79	13	N/A (See Note 5)	4.66	7	No
Benzo(a)pyrene	**0.20**	0.72	11.0	N/A (See Note 5)	3.97	2	**Yes**
Benzo(b)fluoranthene	**0.20**	0.83	8.8	N/A (See Note 5)	3.28	7	No
Benzo(k)fluoranthene	**0.20**	0.76	9.7	N/A (See Note 5)	3.55	70	No
Dibenzo(a,h)anthracene	**0.20**	**0.21**	1.4	N/A (See Note 5)	0.60	0.7	No
Indeno(1,2,3-cd)pyrene	**0.20**	0.50	6.0	N/A (See Note 5)	2.23	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.000048	0.000023	0.000019	4.80E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	7.00	8.80	10.0	N/A (See Note 5)	8.60	20	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-9
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-30 (BACK) (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-4 0-1 11/22/04	3A-A9-5 0-1 11/22/04	3A-A9-6 0-1 11/23/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	**0.20**	0.79	***0.198***	N/A (See Note 5)	0.40	7	No
Benzo(a)pyrene	**0.20**	0.72	***0.198***	N/A (See Note 5)	0.37	2	No
Benzo(b)fluoranthene	**0.20**	0.83	***0.198***	N/A (See Note 5)	0.41	7	No
Benzo(k)fluoranthene	**0.20**	0.76	***0.198***	N/A (See Note 5)	0.39	70	No
Dibenzo(a,h)anthracene	**0.20**	**0.21**	***0.256***	N/A (See Note 5)	0.22	0.7	No
Indeno(1,2,3-cd)pyrene	**0.20**	0.50	***0.256***	N/A (See Note 5)	0.32	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.000048	0.000023	0.000019	4.80E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	7.00	8.80	10.0	N/A (See Note 5)	8.60	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set.

I7-2-31

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TABLE D-10
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-31

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID:	3A-A9-7	3A-A9-7	3A-A9-8	3A-A9-8	3A-A9-8	3A-A9-9	3A-A9-9
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1	1-3
Parameter Date Collected:	11/19/04	11/19/04	11/23/04	11/23/04	11/23/04	11/22/04	11/22/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
1,2,4-Trichlorobenzene	0.11 J	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
1,2-Dichlorobenzene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
1,2-Diphenylhydrazine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
1,3-Dichlorobenzene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
1,3-Dinitrobenzene	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
1,4-Dichlorobenzene	0.092 J	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
1,4-Naphthoquinone	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
1-Naphthylamine	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
2,3,4,6-Tetrachlorophenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2,4,5-Trichlorophenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2,4,6-Trichlorophenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2,4-Dichlorophenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2,4-Dimethylphenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2,4-Dinitrophenol	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.0)
2,4-Dinitrotoluene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2,6-Dichlorophenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2,6-Dinitrotoluene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2-Acetylaminofluorene	ND(0.78) J	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
2-Chloronaphthalene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2-Chlorophenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2-Methylnaphthalene	ND(0.39)	ND(0.38)	0.12 J	0.74	ND(0.37)	0.079 J	ND(0.40)
2-Methylphenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
2-Naphthylamine	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
2-Nitroaniline	ND(2.0)	ND(1.9) J	ND(2.0) J	ND(1.8) J	ND(1.9) J	ND(1.9)	ND(2.0)
2-Nitrophenol	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
2-Picoline	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
3&4-Methylphenol	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
3,3'-Dichlorobenzidine	ND(0.78)	ND(0.76)	ND(0.78) J	ND(0.73) J	ND(0.75) J	ND(0.76) J	ND(0.80) J
3,3'-Dimethylbenzidine	ND(0.39)	ND(0.38)	ND(0.39) J	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
3-Methylcholanthrene	ND(0.78)	ND(0.76) J	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76) J	ND(0.80) J
3-Nitroaniline	ND(2.0)	ND(1.9)	ND(2.0) J	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.0)
4,6-Dinitro-2-methylphenol	ND(0.39) J	ND(0.38) J	ND(0.39) J	ND(0.36) J	ND(0.37) J	ND(0.38) J	ND(0.40) J
4-Aminobiphenyl	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
4-Bromophenyl-phenylether	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
4-Chloro-3-Methylphenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
4-Chloroaniline	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
4-Chlorobenzilate	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
4-Chlorophenyl-phenylether	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
4-Nitroaniline	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.0)
4-Nitrophenol	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.0)
4-Nitroquinoline-1-oxide	ND(0.78) J	ND(0.76) J	ND(0.78) J	ND(0.73) J	ND(0.75) J	ND(0.76) J	ND(0.80) J
4-Phenylenediamine	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
5-Nitro-o-toluidine	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
7,12-Dimethylbenz(a)anthracene	ND(0.78)	ND(0.76)	ND(0.78) J	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
a,a'-Dimethylphenethylamine	ND(0.78) J	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Acenaphthene	ND(0.39)	ND(0.38)	0.34 J	4.7	ND(0.37)	0.72	ND(0.40)
Acenaphthylene	1.1	0.86	2.1	2.2	0.37 J	0.36 J	ND(0.40)
Acetophenone	ND(0.39) J	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Aniline	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Anthracene	0.70	0.45	1.2	8.4	0.24 J	2.2	ND(0.40)
Aramite	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Benzidine	ND(0.78)	ND(0.76)	ND(0.78) J	ND(0.73) J	ND(0.75) J	ND(0.76) J	ND(0.80) J
Benzo(a)anthracene	2.4	1.4	2.4	19	0.43	8.4	ND(0.40)
Benzo(a)pyrene	1.9	1.1	2.8	15	0.41	5.7	ND(0.40)
Benzo(b)fluoranthene	1.2	0.67	1.6	12	0.37 J	4.1	ND(0.40)
Benzo(g,h,i)perylene	0.78	0.54	1.6	5.4	0.40	2.5	ND(0.40)
Benzo(k)fluoranthene	1.3	0.75	1.8	11	0.25 J	5.0	ND(0.40)
Benzyl Alcohol	ND(0.78) J	ND(0.76) J	ND(0.78) J	ND(0.73) J	ND(0.75) J	ND(0.76) J	ND(0.80) J
bis(2-Chloroethoxy)methane	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
bis(2-Chloroethyl)ether	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
bis(2-Chloroisopropyl)ether	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.39)
Butylbenzylphthalate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Chrysene	2.1	1.2	2.4	18	0.32 J	8.2	ND(0.40)
Diallate	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Dibenzo(a,h)anthracene	0.17 J	0.17 J	0.50	2.0	ND(0.37)	0.72	ND(0.40)

TABLE D-10
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-31

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-7 0-1 11/19/04	3A-A9-7 1-3 11/19/04	3A-A9-8 0-1 11/23/04	3A-A9-8 1-3 11/23/04	3A-A9-8 3-5 11/23/04	3A-A9-9 0-1 11/22/04	3A-A9-9 1-3 11/22/04
Semivolatile Organics (continued)							
Dibenzofuran	ND(0.39)	ND(0.38)	0.23 J	2.4	ND(0.37)	0.50	ND(0.40)
Diethylphthalate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Dimethylphthalate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Di-n-Butylphthalate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Di-n-Octylphthalate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Diphenylamine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Ethyl Methanesulfonate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Fluoranthene	3.5	2.2	5.1	49	0.32 J	20	ND(0.40)
Fluorene	0.12 J	ND(0.38)	0.59	6.0	ND(0.37)	0.88	ND(0.40)
Hexachlorobenzene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Hexachlorobutadiene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Hexachlorocyclopentadiene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Hexachloroethane	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Hexachlorophene	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Hexachloropropene	ND(0.39)	ND(0.38)	ND(0.39) J	ND(0.36)	ND(0.37)	ND(0.38) J	ND(0.40) J
Indeno(1,2,3-cd)pyrene	0.68	0.50	1.3	5.3	0.25 J	2.4	ND(0.40)
Isodrin	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Isophorone	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Isosafrole	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Methapyrilene	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Methyl Methanesulfonate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Naphthalene	0.25 J	0.16 J	0.16 J	0.64	ND(0.37)	0.35 J	ND(0.40)
Nitrobenzene	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
N-Nitrosodiethylamine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
N-Nitrosodimethylamine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
N-Nitroso-di-n-butylamine	ND(0.78) J	ND(0.76) J	ND(0.78) J	ND(0.73)	ND(0.75)	ND(0.76) J	ND(0.80) J
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
N-Nitrosodiphenylamine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
N-Nitrosomethylethylamine	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
N-Nitrosomorpholine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
N-Nitrosopiperidine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
N-Nitrosopyrrolidine	ND(0.78)	ND(0.76) J	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
o,o,o-Triethylphosphorothioate	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
o-Toluidine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
p-Dimethylaminoazobenzene	ND(0.78)	ND(0.76)	ND(0.78) J	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Pentachlorobenzene	ND(0.39)	0.49	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Pentachloroethane	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Pentachloronitrobenzene	ND(0.78)	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Pentachlorophenol	ND(2.0)	ND(1.9)	ND(2.0)	ND(1.8)	ND(1.9)	ND(1.9)	ND(2.0)
Phenacetin	ND(0.78) J	ND(0.76)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.76)	ND(0.80)
Phenanthrene	1.4	0.81	2.2	31	0.13 J	13	ND(0.40)
Phenol	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Pronamide	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Pyrene	3.7	1.6	4.3	60	0.53	20	ND(0.40)
Pyridine	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Safrole	ND(0.39) J	ND(0.38) J	ND(0.39) J	ND(0.36) J	ND(0.37) J	ND(0.38) J	ND(0.40) J
Thionazin	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.40)
Furans							
2,3,7,8-TCDF	0.000065 Y	0.00013 Y	0.0000043 Y	ND(0.0000013)	0.0000011 JQ	0.0000052 Y	ND(0.00000025)
TCDFs (total)	0.0018 Q	0.0014 Q	0.000038 Q	ND(0.0000013) Q	0.0000057 Q	0.000024 Q	ND(0.00000025)
1,2,3,7,8-PeCDF	0.000047 Q	ND(0.000053) X	ND(0.0000029) Q	ND(0.00000068) Q	0.00000042 JQ	0.0000019 JQ	ND(0.00000053)
2,3,4,7,8-PeCDF	0.00014 Q	0.00012 Q	0.0000054 JQ	0.00000097 JQ	0.00000093 JQ	0.0000038 JQ	ND(0.00000053)
PeCDFs (total)	0.00099 Q	0.0011 Q	0.000040 Q	0.0000031 JQ	0.0000052 Q	0.000018 Q	ND(0.00000053)
1,2,3,4,7,8-HxCDF	0.00036	0.00024	0.0000068	0.00000071 J	0.00000054 J	0.0000020 J	ND(0.00000053)
1,2,3,6,7,8-HxCDF	0.000098	ND(0.000057) X	0.0000027 J	ND(0.00000052)	ND(0.00000043)	0.0000013 J	ND(0.00000053)
1,2,3,7,8,9-HxCDF	0.000028 Q	0.000023 Q	ND(0.0000018) Q	ND(0.00000052) Q	ND(0.00000058) Q	ND(0.00000060)	ND(0.00000053)
2,3,4,6,7,8-HxCDF	0.00015	0.000058	0.0000045 J	0.00000070 J	0.00000077 J	0.0000020 J	ND(0.00000053)
HxCDFs (total)	0.0045 Q	0.0016 Q	0.000082 Q	0.0000080 Q	0.0000074 Q	0.000029	ND(0.00000053)
1,2,3,4,6,7,8-HpCDF	0.0048 E	0.00053	0.000036	0.0000019 J	0.0000018 J	0.0000054	ND(0.00000053)
1,2,3,4,7,8,9-HpCDF	0.00014	0.000099	0.0000027 J	ND(0.00000052)	ND(0.00000042)	0.00000053 J	ND(0.00000053)
HpCDFs (total)	0.0086	0.0012	0.000068	0.0000039 J	0.0000038 J	0.000010	ND(0.00000053)
OCDF	0.0024	0.00080	0.000025	0.0000040 J	0.0000040 J	0.0000057 J	ND(0.0000011)

TABLE D-10
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-31

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-7 0-1 11/19/04	3A-A9-7 1-3 11/19/04	3A-A9-8 0-1 11/23/04	3A-A9-8 1-3 11/23/04	3A-A9-8 3-5 11/23/04	3A-A9-9 0-1 11/22/04	3A-A9-9 1-3 11/22/04
Dioxins							
2,3,7,8-TCDD	0.0000038 Q	0.0000021 J	ND(0.0000015) Q	ND(0.0000012) Q	ND(0.00000074) Q	0.00000080 J	ND(0.00000021)
TCDDs (total)	0.00017 Q	0.000035 Q	ND(0.0000015) Q	ND(0.0000012) Q	ND(0.00000074) Q	0.0000022 Q	ND(0.00000063)
1,2,3,7,8-PeCDD	ND(0.000041) X	0.000020 Q	ND(0.00000080) Q	ND(0.00000083) Q	ND(0.00000038) Q	0.0000010 JQ	ND(0.00000053)
PeCDDs (total)	0.00024 Q	0.00010 Q	0.0000057 JQ	ND(0.00000083) Q	ND(0.00000065) Q	0.0000073 Q	ND(0.00000099)
1,2,3,4,7,8-HxCDD	0.000029	ND(0.000018) X	ND(0.0000013)	ND(0.0000011)	ND(0.00000067)	ND(0.00000062) X	ND(0.00000053)
1,2,3,6,7,8-HxCDD	0.000058	0.000023	0.0000013 J	ND(0.00000096)	ND(0.00000060)	0.0000014 J	ND(0.00000053)
1,2,3,7,8,9-HxCDD	0.000038	0.000022	ND(0.0000013)	ND(0.0000010)	ND(0.00000064)	0.0000041 J	ND(0.00000053)
HxCDDs (total)	0.00073	0.00023	0.000016 Q	ND(0.0000010)	0.0000010 J	0.000025	ND(0.00000053)
1,2,3,4,6,7,8-HpCDD	0.00043	0.00023	0.000014	0.0000032 J	0.0000036 J	0.000022	0.00000081 J
HpCDDs (total)	0.00082	0.00047	0.000027	0.0000032 J	0.0000066	0.000047	0.00000081 J
OCDD	0.0026	0.0017	0.000092	0.000028	0.000028	0.00024	ND(0.0000043)
Total TEQs (WHO TEFs)	0.00023	0.00015	0.0000066	0.0000020	0.0000015	0.0000058	0.00000073
Inorganics							
Antimony	ND(6.00)	ND(6.00)	ND(6.0)	ND(6.0)	ND(6.0)	1.30 J	ND(6.00) J
Arsenic	3.20	1.90	6.40	8.00	8.00	9.30	6.90
Barium	31.0	21.0	31.0	21.0	27.0	46.0	25.0
Beryllium	0.210 B	0.150 B	ND(0.50)	ND(0.50)	ND(0.50)	0.240 B	0.260 B
Cadmium	0.460 B	0.170 B	0.190 B	0.0960 B	0.0970 B	0.520	0.270 B
Chromium	16.0	11.0	6.10	5.70	6.40	7.10	6.50
Cobalt	6.40	5.30	5.70	7.00	7.70	7.70	5.90
Copper	40.0 J	27.0 J	17.0	21.0	19.0	21.0	13.0
Cyanide	0.400	0.210	0.120	0.0530 B	0.0660 B	0.140 B	0.100 B
Lead	69.0	54.0	40.0	38.0	47.0	100	17.0
Mercury	0.180	0.0850 B	0.150	0.0260 B	0.0430 B	0.200	0.0530 B
Nickel	10.0	9.80	10.0	11.0	12.0	12.0	9.60
Selenium	1.10 J	ND(1.00) J	ND(1.00) J	ND(1.00) J	ND(1.00) J	ND(1.00)	ND(1.00)
Silver	ND(1.00)	0.250 B	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)
Sulfide	ND(5.80)	9.10 J	7.40	5.20 B	25.0	29.0 J	ND(6.00)
Thallium	ND(1.20) J	ND(1.10) J	ND(1.20)	ND(1.10)	ND(1.10)	ND(1.10)	ND(1.20)
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	7.00	7.40	8.40	6.80	8.20	6.80	8.00
Zinc	99.0	72.0	48.0	41.0	49.0	64.0	36.0

TABLE D-10
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-31

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)

E - Analyte exceeded calibration range.
J - Estimated Value.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Estimated Value.

TABLE D-11
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-31

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
1,2,4-Trichlorobenzene	0.11	480	No
1,4-Dichlorobenzene	0.092	3	No
2-Methylnaphthalene	0.74	55	No
Acenaphthene	4.7	2,600	No
Acenaphthylene	2.2	55	No
Anthracene	8.4	14,000	No
Benzo(a)anthracene	19	0.56	**Yes**
Benzo(a)pyrene	15	0.056	**Yes**
Benzo(b)fluoranthene	12	0.56	**Yes**
Benzo(g,h,i)perylene	5.4	55	No
Benzo(k)fluoranthene	11	5.6	**Yes**
Chrysene	18	56	No
Dibenzo(a,h)anthracene	2	0.056	**Yes**
Dibenzofuran	2.4	210	No
Fluoranthene	49	2,000	No
Fluorene	6	1,800	No
Indeno(1,2,3-cd)pyrene	5.3	0.56	**Yes**
Naphthalene	0.64	55	No
Pentachlorobenzene	0.49	44	No
Phenanthrene	31	55	No
Pyrene	60	1,500	No
Inorganics			
Antimony	1.3	30	No
Arsenic	9.3	0.38	**Yes**
Barium	46	5,200	No
Beryllium	0.26	150	No
Cadmium	0.52	37	No
Chromium	16	210	No
Cobalt	7.7	3,300	No
Copper	40	2,800	No
Cyanide	0.4	11	No
Lead	100	400	No
Mercury	0.2	22	No
Nickel	12	1,500	No
Selenium	1.1	370	No
Silver	0.25	370	No
Sulfide	29	350	No
Vanadium	8.4	520	No
Zinc	99	22,000	No

Notes:

1. PRG = Pretiminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-12
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-31 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-7 0-1 11/19/04	3A-A9-8 0-1 11/23/04	3A-A9-9 0-1 11/22/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	2.4	2.4	8.4	N/A (See Note 5)	4.40	7	No
Benzo(a)pyrene	1.9	2.8	5.7	N/A (See Note 5)	3.47	2	**Yes**
Benzo(b)fluoranthene	1.2	1.6	4.1	N/A (See Note 5)	2.30	7	No
Benzo(k)fluoranthene	1.3	1.8	5.0	N/A (See Note 5)	2.70	70	No
Dibenzo(a,h)anthracene	0.17	0.50	0.72	N/A (See Note 5)	0.46	0.7	No
Indeno(1,2,3-cd)pyrene	0.68	1.3	2.4	N/A (See Note 5)	1.46	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.00023	0.0000066	0.0000058	2.30E-04	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	3.20	6.40	9.30	N/A (See Note 5)	6.30	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-13
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-31 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-7 1-3 11/19/04	3A-A9-8 1-3 11/23/04	3A-A9-9 1-3 11/22/04	3A-A9-8 3-5 11/23/04
Semivolatile Organics				
Benzo(a)anthracene	1.4	19	**0.20**	0.43
Benzo(a)pyrene	1.1	15	**0.20**	0.41
Benzo(b)fluoranthene	0.67	12	**0.20**	0.37
Benzo(k)fluoranthene	0.75	11	**0.20**	0.25
Dibenzo(a,h)anthracene	0.17	2.0	**0.20**	**0.19**
Indeno(1,2,3-cd)pyrene	0.50	5.3	**0.20**	0.25
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.00015	0.000002	0.00000073	0.0000015
Inorganics				
Arsenic	1.90	8.00	6.90	8.00

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	5.26	7	No
Benzo(a)pyrene	N/A (See Note 5)	4.18	2	**Yes**
Benzo(b)fluoranthene	N/A (See Note 5)	3.31	7	No
Benzo(k)fluoranthene	N/A (See Note 5)	3.05	70	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.64	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	1.56	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	1.50E-04	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	6.20	20	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-14
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-31 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-7 0-1 11/19/04	3A-A9-8 0-1 11/23/04	3A-A9-9 0-1 11/22/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	2.4	2.4	***0.198***	N/A (See Note 5)	1.67	7	No
Benzo(a)pyrene	1.9	2.8	***0.198***	N/A (See Note 5)	1.63	2	No
Benzo(b)fluoranthene	1.2	1.6	***0.198***	N/A (See Note 5)	1.00	7	No
Benzo(k)fluoranthene	1.3	1.8	***0.198***	N/A (See Note 5)	1.10	70	No
Dibenzo(a,h)anthracene	0.17	0.50	***0.256***	N/A (See Note 5)	0.31	0.7	No
Indeno(1,2,3-cd)pyrene	0.68	1.3	***0.256***	N/A (See Note 5)	0.75	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.00023	0.0000066	0.0000058	2.30E-04	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	3.20	6.40	9.30	N/A (See Note 5)	6.30	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set.

TABLE D-15
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-31 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	3A-A9-7 1-3 11/19/04	3A-A9-8 1-3 11/23/04	3A-A9-9 1-3 11/22/04	3A-A9-8 3-5 11/23/04
Semivolatile Organics				
Benzo(a)anthracene	1.4	***0.198***	**0.20**	0.43
Benzo(a)pyrene	1.1	***0.198***	**0.20**	0.41
Benzo(b)fluoranthene	0.67	***0.198***	**0.20**	0.37
Benzo(k)fluoranthene	0.75	***0.198***	**0.20**	0.25
Dibenzo(a,h)anthracene	0.17	***0.256***	**0.20**	**0.19**
Indeno(1,2,3-cd)pyrene	0.50	***0.256***	**0.20**	0.25
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.00015	0.000002	0.00000073	0.0000015
Inorganics				
Arsenic	1.90	8.00	6.90	8.00

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.56	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.48	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.36	7	No
Benzo(k)fluoranthene	N/A (See Note 5)	0.35	70	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.20	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.30	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	1.50E-04	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	6.20	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set

I7-2-32

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TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2] / Location ID / Sample ID / Sample Depth(Feet) / Date Collected:	PDI 3A-A9-10 3A-A9-10 0-1 11/23/04	PDI 3A-A9-10 3A-A9-10 1-3 11/23/04	PDI 3A-A9-10 3A-A9-10 3-5 11/23/04	PDI 3A-A9-11 3A-A9-11 0-1 11/22/04
Volatile Organics				
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA
1,2-Dichloroethene (total)	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA
1,4-Dioxane	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA
2-Chloroethylvinylether	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA
3-Chloropropene	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA
Acetone	NA	NA	NA	NA
Acetonitrile	NA	NA	NA	NA
Acrolein	NA	NA	NA	NA
Acrylonitrile	NA	NA	NA	NA
Benzene	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA
Iodomethane	NA	NA	NA	NA
Isobutanol	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA
Methacrylonitrile	NA	NA	NA	NA
Methyl Methacrylate	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA
Propionitrile	NA	NA	NA	NA
Styrene	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA
Toluene	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA
Vinyl Acetate	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	NA
Semivolatile Organics				
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	PDI	PDI	PDI	PDI
Location ID:	3A-A9-10	3A-A9-10	3A-A9-10	3A-A9-11
Sample ID:	3A-A9-10	3A-A9-10	3A-A9-10	3A-A9-11
Sample Depth(Feet):	0-1	1-3	3-5	0-1
Date Collected:	11/23/04	11/23/04	11/23/04	11/22/04
Semivolatile Organics (continued)				
1,2-Dichlorobenzene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
1,2-Diphenylhydrazine	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
1,3,5-Trichlorobenzene	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
1,3-Dichlorobenzene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
1,3-Dinitrobenzene	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
1,4-Dichlorobenzene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
1,4-Naphthoquinone	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
1-Chloronaphthalene	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA
1-Naphthylamine	ND(0.86) J	ND(0.72) J [ND(0.72) J]	ND(0.72) J	ND(0.75)
2,3,4,6-Tetrachlorophenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2,4,5-Trichlorophenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2,4,6-Trichlorophenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2,4-Dichlorophenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2,4-Dimethylphenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2,4-Dinitrophenol	ND(2.2)	ND(1.8) [ND(1.8)]	ND(1.8)	ND(1.9)
2,4-Dinitrotoluene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2,6-Dichlorophenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2,6-Dinitrotoluene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2-Acetylaminofluorene	ND(0.86) J	ND(0.72) J [ND(0.72) J]	ND(0.72) J	ND(0.75)
2-Chloronaphthalene	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2-Chlorophenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2-Methylnaphthalene	2.7	ND(0.36) [1.2]	ND(0.36)	ND(0.38)
2-Methylphenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
2-Naphthylamine	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
2-Nitroaniline	ND(2.2)	ND(1.8) [ND(1.8)]	ND(1.8)	ND(1.9)
2-Nitrophenol	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
2-Picoline	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
3&4-Methylphenol	ND(0.86)	ND(0.72) [0.29 J]	ND(0.72)	ND(0.75)
3,3'-Dichlorobenzidine	ND(0.86) J	ND(0.72) J [ND(0.72) J]	ND(0.72) J	ND(0.75) J
3,3'-Dimethoxybenzidine	NA	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
3-Methylcholanthrene	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75) J
3-Nitroaniline	ND(2.2)	ND(1.8) [ND(1.8)]	ND(1.8)	ND(1.9)
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.43) J	ND(0.36) J [ND(0.36) J]	ND(0.36) J	ND(0.38) J
4-Aminobiphenyl	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
4-Bromophenyl-phenylether	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
4-Chloroaniline	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
4-Chlorobenzilate	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
4-Chlorophenyl-phenylether	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
4-Methylphenol	NA	NA	NA	NA
4-Nitroaniline	ND(2.2)	ND(1.8) [ND(1.8)]	ND(1.8)	ND(1.9)
4-Nitrophenol	ND(2.2)	ND(1.8) [ND(1.8)]	ND(1.8)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.86) J	ND(0.72) J [ND(0.72) J]	ND(0.72) J	ND(0.75) J
4-Phenylenediamine	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
5-Nitro-o-toluidine	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
7,12-Dimethylbenz(a)anthracene	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
a,a'-Dimethylphenethylamine	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Acenaphthene	7.6	3.6 J [1.7 J]	ND(0.36)	0.38
Acenaphthylene	2.6	2.8 J [7.9 J]	1.2	0.36 J
Acetophenone	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Aniline	ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Anthracene	7.6	4.8 [7.0]	0.59	1.4
Aramite	ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Azobenzene	NA	NA	NA	NA
Benzal chloride	NA	NA	NA	NA
Benzidine	ND(0.86) J	ND(0.72) J [ND(0.72) J]	ND(0.72) J	ND(0.75) J
Benzo(a)anthracene	13	10 J [30 J]	1.5	8.5
Benzo(a)pyrene	9.5	8.2 J [28 J]	1.9	6.3
Benzo(b)fluoranthene	5.4	4.8 J [16 J]	1.1	4.3
Benzo(g,h,i)perylene	5.2	4.2 J [15 J]	1.3	2.8
Benzo(k)fluoranthene	7.6	6.6 J [22 J]	1.3	5.5
Benzoic Acid	NA	NA	NA	NA
Benzotrichloride	NA	NA	NA	NA

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3A-A9-10 3A-A9-10 0-1 11/23/04	PDI 3A-A9-10 3A-A9-10 1-3 11/23/04	PDI 3A-A9-10 3A-A9-10 3-5 11/23/04	PDI 3A-A9-11 3A-A9-11 0-1 11/22/04
Semivolatile Organics (continued)					
Benzyl Alcohol		ND(0.86) J	ND(0.72) J [ND(0.72) J]	ND(0.72) J	ND(0.75) J
Benzyl Chloride		NA	NA	NA	NA
bis(2-Chloroethoxy)methane		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
bis(2-Chloroethyl)ether		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
bis(2-Chloroisopropyl)ether		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
bis(2-Ethylhexyl)phthalate		ND(0.42)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.37)
Butylbenzylphthalate		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Chrysene		11	8.8 J [25 J]	1.4	8.7
Cyclophosphamide		NA	NA	NA	NA
Diallate		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Diallate (cis isomer)		NA	NA	NA	NA
Diallate (trans isomer)		NA	NA	NA	NA
Dibenz(a,j)acridine		NA	NA	NA	NA
Dibenzo(a,h)anthracene		1.5	1.1 [3.4]	ND(0.36)	0.73
Dibenzofuran		3.6	2.0 [1.6]	ND(0.36)	ND(0.38)
Diethylphthalate		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Dimethoate		NA	NA	NA	NA
Dimethylphthalate		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Di-n-Butylphthalate		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Di-n-Octylphthalate		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Diphenylamine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Ethyl Methacrylate		NA	NA	NA	NA
Ethyl Methanesulfonate		ND(0.43) J	ND(0.36) J [ND(0.36) J]	ND(0.36) J	ND(0.38)
Famphur		NA	NA	NA	NA
Fluoranthene		35	20 J [61 J]	2.1	21
Fluorene		7.5	4.3 [2.7]	ND(0.36)	0.49
Hexachlorobenzene		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Hexachlorobutadiene		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Hexachlorocyclopentadiene		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Hexachloroethane		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Hexachlorophene		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Hexachloropropene		ND(0.43) J	ND(0.36) J [ND(0.36) J]	ND(0.36) J	ND(0.38) J
Indeno(1,2,3-cd)pyrene		4.5	3.7 J [12 J]	0.92	2.7
Isodrin		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Isophorone		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Isosafrole		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Methapyrilene		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Methyl Methanesulfonate		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Naphthalene		2.7	1.8 [2.1]	0.41	0.12 J
Nitrobenzene		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
N-Nitrosodiethylamine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
N-Nitrosodimethylamine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
N-Nitroso-di-n-butylamine		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75) J
N-Nitroso-di-n-propylamine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
N-Nitrosodiphenylamine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
N-Nitrosomethylethylamine		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
N-Nitrosomorpholine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
N-Nitrosopiperidine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
N-Nitrosopyrrolidine		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
o,o,o-Triethylphosphorothioate		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
o-Toluidine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Paraldehyde		NA	NA	NA	NA
p-Dimethylaminoazobenzene		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Pentachlorobenzene		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Pentachloroethane		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Pentachloronitrobenzene		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Pentachlorophenol		ND(2.2)	ND(1.8) [ND(1.8)]	ND(1.8)	ND(1.9)
Phenacetin		ND(0.86)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.75)
Phenanthrene		26	15 J [26 J]	0.71	10
Phenol		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Pronamide		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Pyrene		37	25 J [99 J]	2.9	18
Pyridine		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)
Safrole		ND(0.43) J	ND(0.36) J [ND(0.36) J]	ND(0.36) J	ND(0.38) J
Thionazin		ND(0.43)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:				
	PDI / 3A-A9-10 / 3A-A9-10 / 0-1 / 11/23/04	PDI / 3A-A9-10 / 3A-A9-10 / 1-3 / 11/23/04	PDI / 3A-A9-10 / 3A-A9-10 / 3-5 / 11/23/04	PDI / 3A-A9-11 / 3A-A9-11 / 0-1 / 11/22/04	
Organochlorine Pesticides					
4,4'-DDD	NA	NA	NA	NA	
4,4'-DDE	NA	NA	NA	NA	
4,4'-DDT	NA	NA	NA	NA	
Aldrin	NA	NA	NA	NA	
Alpha-BHC	NA	NA	NA	NA	
Beta-BHC	NA	NA	NA	NA	
Delta-BHC	NA	NA	NA	NA	
Dieldrin	NA	NA	NA	NA	
Endosulfan I	NA	NA	NA	NA	
Endosulfan II	NA	NA	NA	NA	
Endosulfan Sulfate	NA	NA	NA	NA	
Endrin	NA	NA	NA	NA	
Endrin Aldehyde	NA	NA	NA	NA	
Gamma-BHC (Lindane)	NA	NA	NA	NA	
Heptachlor	NA	NA	NA	NA	
Heptachlor Epoxide	NA	NA	NA	NA	
Kepone	NA	NA	NA	NA	
Methoxychlor	NA	NA	NA	NA	
Technical Chlordane	NA	NA	NA	NA	
Toxaphene	NA	NA	NA	NA	
Organophosphate Pesticides					
Dimethoate	NA	NA	NA	NA	
Disulfoton	NA	NA	NA	NA	
Ethyl Parathion	NA	NA	NA	NA	
Famphur	NA	NA	NA	NA	
Methyl Parathion	NA	NA	NA	NA	
Phorate	NA	NA	NA	NA	
Sulfotep	NA	NA	NA	NA	
Herbicides					
2,4,5-T	NA	NA	NA	NA	
2,4,5-TP	NA	NA	NA	NA	
2,4-D	NA	NA	NA	NA	
Dinoseb	NA	NA	NA	NA	
Furans					
2,3,7,8-TCDF	0.000030 Y	ND(0.0000026) [ND(0.00000094)]	ND(0.00000092) X	0.0000057 J	
TCDFs (total)	0.00052 Q	ND(0.0000026) [ND(0.00000094) Q]	0.0000034 Q	0.000012 Q	
1,2,3,7,8-PeCDF	0.00030	ND(0.0000023) [ND(0.00000052) Q]	ND(0.00000050) Q	ND(0.0000024) Q	
2,3,4,7,8-PeCDF	0.000029	ND(0.0000023) [0.00000087 JQ]	0.00000074 JQ	ND(0.0000037) X	
PeCDFs (total)	0.00083 Q	0.0000051 J [0.00000087 J]	0.0000050 JQ	0.000012 JQ	
1,2,3,4,7,8-HxCDF	0.00015	ND(0.0000033) [0.00000055 J]	ND(0.00000050)	ND(0.0000027)	
1,2,3,6,7,8-HxCDF	0.000012	ND(0.0000029) [ND(0.00000052)]	ND(0.00000050)	ND(0.0000024)	
1,2,3,7,8,9-HxCDF	ND(0.0000076) Q	ND(0.0000039) [ND(0.00000060)]	ND(0.00000056)	ND(0.0000032)	
2,3,4,6,7,8-HxCDF	0.000023	ND(0.0000032) [0.00000060 J]	ND(0.00000050)	ND(0.0000026)	
HxCDFs (total)	0.00060 Q	0.0000088 J [0.0000072 Q]	0.0000049 J	0.000018 J	
1,2,3,4,6,7,8-HpCDF	0.00020	0.0000024 J [0.0000025 J]	0.0000014 J	0.0000054 J	
1,2,3,4,7,8,9-HpCDF	0.000014	ND(0.0000023) [ND(0.00000056)]	ND(0.00000050)	ND(0.0000024)	
HpCDFs (total)	0.00037	0.0000051 J [0.0000053]	0.0000035 J	0.0000054 J	
OCDF	0.00015	ND(0.0000069) [ND(0.0000037) X]	0.0000033 J	ND(0.0000056) X	
Dioxins					
2,3,7,8-TCDD	ND(0.00000087) X	ND(0.0000027) [ND(0.00000086) Q]	ND(0.00000076)	ND(0.0000075)	
TCDDs (total)	0.000014	ND(0.0000027) [ND(0.00000086) Q]	ND(0.00000076)	ND(0.0000075) Q	
1,2,3,7,8-PeCDD	ND(0.0000052) X	ND(0.0000023) [ND(0.00000055) Q]	ND(0.00000050)	ND(0.0000027) Q	
PeCDDs (total)	0.000021 Q	ND(0.0000043) [ND(0.00000055) Q]	ND(0.00000088) Q	0.0000046 JQ	
1,2,3,4,7,8-HxCDD	0.0000057 J	ND(0.0000042) [0.00000081 J]	ND(0.00000050) Q	ND(0.0000030)	
1,2,3,6,7,8-HxCDD	0.0000074	ND(0.0000037) [0.00000072 J]	0.00000059 J	ND(0.0000027)	
1,2,3,7,8,9-HxCDD	0.0000064	ND(0.0000040) [ND(0.00000068)]	ND(0.00000050)	ND(0.0000061) X	
HxCDDs (total)	0.00011	ND(0.0000039) [0.00000072 JQ]	0.0000011 J	0.000011 J	
1,2,3,4,6,7,8-HpCDD	0.000068	0.0000096 J [0.0000062]	0.0000061	0.000025	
HpCDDs (total)	0.00014	0.000016 J [0.000012]	0.000011	0.000053	
OCDD	0.00045	0.000058 [0.000051]	0.000045	0.00034	
Total TEQs (WHO TEFs)	0.000059	0.0000047 [0.0000017]	0.0000014	0.0000081	

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:				
	Data Type [2]:	PDI	PDI	PDI	PDI
	Location ID:	3A-A9-10	3A-A9-10	3A-A9-10	3A-A9-11
	Sample ID:	3A-A9-10	3A-A9-10	3A-A9-10	3A-A9-11
	Sample Depth(Feet):	0-1	1-3	3-5	0-1
	Date Collected:	11/23/04	11/23/04	11/23/04	11/22/04
Inorganics					
Aluminum		NA	NA	NA	NA
Antimony		ND(6.0)	ND(6.0) [1.60 B]	1.80 B	ND(6.00) J
Arsenic		10.0	7.20 [7.00]	7.40	6.70
Barium		72.0	18.0 B [24.0]	15.0 B	30.0
Beryllium		ND(0.50)	ND(0.50) [ND(0.50)]	ND(0.50)	0.240 B
Cadmium		0.300 B	0.0880 B [0.120 B]	ND(0.500)	0.380 B
Calcium		NA	NA	NA	NA
Chromium		12.0	6.70 [4.70]	5.20	7.70
Cobalt		7.00	8.00 [7.20]	7.40	8.40
Copper		33.0	22.0 [20.0]	20.0	15.0
Cyanide		0.190	0.0670 B [0.0840 B]	0.0720 B	0.120
Iron		NA	NA	NA	NA
Lead		100	20.0 [21.0]	32.0	31.0
Magnesium		NA	NA	NA	NA
Manganese		NA	NA	NA	NA
Mercury		0.490	0.0240 B [0.0230 B]	ND(0.110)	0.100 B
Nickel		12.0	14.0 [11.0]	12.0	14.0
Potassium		NA	NA	NA	NA
Selenium		ND(1.00) J	ND(1.00) J [ND(1.00)]	ND(1.00) J	ND(1.00)
Silver		ND(1.0)	ND(1.0) [0.180 B]	0.220 B	ND(1.0)
Sodium		NA	NA	NA	NA
Sulfide		12.0	6.90 [8.60]	ND(5.40)	ND(5.60)
Thallium		ND(1.30)	ND(1.10) [ND(1.10)]	ND(1.10)	ND(1.10)
Tin		ND(10.0)	ND(10.0) [ND(10.0)]	ND(10.0)	ND(10.0)
Vanadium		12.0	6.60 [4.90 B]	4.50 B	7.40
Zinc		100	42.0 [32.0]	37.0	55.0

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]:	PDI	EPA	Historical
Location ID:	3A-A9-11	RB021602	I7-2-32
Sample ID:	3A-A9-11	H2-RB021602-0-0010	I7-2-32A
Sample Depth(Feet):	1-3	1-1.5	0-0.5
Date Collected:	11/22/04	11/02/98	09/22/94
Volatile Organics			
1,1,1,2-Tetrachloroethane	NA	NA	ND(0.027)
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	ND(0.020)
1,1,1-Trichloroethane	NA	NA	ND(0.027)
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.013)
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	ND(0.013)
1,1,2-Trichloroethane	NA	NA	ND(0.020)
1,1-Dichloroethane	NA	NA	ND(0.020)
1,1-Dichloroethene	NA	NA	ND(0.027)
1,2,3-Trichloropropane	NA	NA	ND(0.027)
1,2-Dibromo-3-chloropropane	NA	NA	ND(0.067)
1,2-Dibromoethane	NA	NA	ND(0.027)
1,2-Dichloroethane	NA	NA	ND(0.013)
1,2-Dichloroethene (total)	NA	NA	ND(0.060)
1,2-Dichloropropane	NA	NA	ND(0.027)
1,4-Dioxane	NA	NA	ND(68)
2-Butanone	NA	NA	ND(0.047)
2-Chloroethylvinylether	NA	NA	ND(0.020)
2-Hexanone	NA	NA	ND(0.047)
3-Chloropropene	NA	NA	ND(0.020)
4-Methyl-2-pentanone	NA	NA	ND(0.033)
Acetone	NA	NA	ND(0.12)
Acetonitrile	NA	NA	ND(0.27)
Acrolein	NA	NA	ND(0.31)
Acrylonitrile	NA	NA	ND(0.28)
Benzene	NA	NA	ND(0.020)
Bromodichloromethane	NA	NA	ND(0.027)
Bromoform	NA	NA	ND(0.020)
Bromomethane	NA	NA	ND(0.027)
Carbon Disulfide	NA	NA	ND(0.013)
Carbon Tetrachloride	NA	NA	ND(0.020)
Chlorobenzene	NA	NA	ND(0.020)
Chloroethane	NA	NA	ND(0.027)
Chloroform	NA	NA	ND(0.020)
Chloromethane	NA	NA	ND(0.047)
cis-1,2-Dichloroethene	NA	NA	ND(0.040)
cis-1,3-Dichloropropene	NA	NA	ND(0.013)
cis-1,4-Dichloro-2-butene	NA	NA	ND(0.027)
Crotonaldehyde	NA	NA	ND(0.73)
Dibromochloromethane	NA	NA	ND(0.020)
Dibromomethane	NA	NA	ND(0.027)
Ethyl Methacrylate	NA	NA	ND(0.033)
Ethylbenzene	NA	NA	ND(0.020)
Iodomethane	NA	NA	ND(0.013)
Isobutanol	NA	NA	ND(17)
m&p-Xylene	NA	NA	ND(0.013)
Methacrylonitrile	NA	NA	ND(0.027)
Methyl Methacrylate	NA	NA	ND(0.067)
Methylene Chloride	NA	NA	0.0070 JB
o-Xylene	NA	NA	ND(0.013)
Propionitrile	NA	NA	ND(0.79)
Styrene	NA	NA	ND(0.013)
Tetrachloroethene	NA	NA	ND(0.020)
Toluene	NA	NA	ND(0.020)
trans-1,2-Dichloroethene	NA	NA	ND(0.020)
trans-1,3-Dichloropropene	NA	NA	ND(0.020)
trans-1,4-Dichloro-2-butene	NA	NA	ND(0.027)
Trichloroethene	NA	NA	ND(0.027)
Trichlorofluoromethane	NA	NA	ND(0.027)
Vinyl Acetate	NA	NA	ND(0.027)
Vinyl Chloride	NA	NA	ND(0.027)
Xylenes (total)	NA	NA	ND(0.027)
Semivolatile Organics			
1,2,3,4-Tetrachlorobenzene	NA	NA	ND(0.63)
1,2,3,5-Tetrachlorobenzene	NA	NA	ND(1.3)
1,2,3-Trichlorobenzene	NA	NA	ND(0.59)
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.43)	ND(1.3)
1,2,4-Trichlorobenzene	ND(0.39) J	0.067 J	0.044 J

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [a]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3A-A9-11 3A-A9-11 1-3 11/22/04	EPA RB021602 H2-RB021602-0-0010 1-1.5 11/02/98	Historical I7-2-32 I7-2-32A 0-0.5 09/22/94
Semivolatile Organics (continued)				
1,2-Dichlorobenzene		ND(0.39)	ND(0.43)	ND(0.58)
1,2-Diphenylhydrazine		ND(0.39)	NA	ND(0.68)
1,3,5-Trichlorobenzene		NA	NA	ND(0.60)
1,3,5-Trinitrobenzene		ND(0.39)	ND(0.43)	ND(0.90)
1,3-Dichlorobenzene		ND(0.39)	ND(0.43)	ND(0.50)
1,3-Dinitrobenzene		ND(0.78)	ND(0.43)	ND(0.55)
1,4-Dichlorobenzene		ND(0.39) J	0.059 J	0.040 J
1,4-Naphthoquinone		ND(0.78)	ND(0.43)	ND(1.6)
1-Chloronaphthalene		NA	NA	ND(1.2)
1-Methylnaphthalene		NA	NA	0.036 J
1-Naphthylamine		ND(0.78)	ND(0.43)	ND(1.4)
2,3,4,6-Tetrachlorophenol		ND(0.39)	R	ND(1.4)
2,4,5-Trichlorophenol		ND(0.39)	R	ND(1.3)
2,4,6-Trichlorophenol		ND(0.39)	R	ND(1.3)
2,4-Dichlorophenol		ND(0.39)	ND(0.43)	ND(0.54)
2,4-Dimethylphenol		ND(0.39)	R	ND(0.60)
2,4-Dinitrophenol		ND(2.0)	R	ND(1.7)
2,4-Dinitrotoluene		ND(0.39)	ND(0.43)	ND(0.65)
2,6-Dichlorophenol		ND(0.39)	R	ND(1.2)
2,6-Dinitrotoluene		ND(0.39)	ND(0.43)	ND(0.74)
2-Acetylaminofluorene		ND(0.78)	ND(0.43)	ND(0.70)
2-Chloronaphthalene		ND(0.39)	ND(0.43)	ND(0.96)
2-Chlorophenol		ND(0.39)	R	ND(0.62)
2-Methylnaphthalene		ND(0.39)	0.042 J	ND(0.83)
2-Methylphenol		ND(0.39)	R	ND(0.64)
2-Naphthylamine		ND(0.78)	ND(0.43)	ND(0.85)
2-Nitroaniline		ND(2.0)	ND(1.1)	ND(1.1)
2-Nitrophenol		ND(0.78)	R	ND(0.61)
2-Picoline		ND(0.39)	ND(0.43)	ND(1.2)
3&4-Methylphenol		ND(0.78)	NA	ND(1.3)
3,3'-Dichlorobenzidine		ND(0.78) J	ND(0.43)	ND(0.50)
3,3'-Dimethoxybenzidine		NA	NA	ND(0.96)
3,3'-Dimethylbenzidine		ND(0.39)	ND(0.43)	ND(0.96)
3-Methylcholanthrene		ND(0.78) J	ND(0.43)	ND(0.60)
3-Nitroaniline		ND(2.0)	ND(1.1)	ND(0.68)
4,4'-Methylene-bis(2-chloroaniline)		NA	NA	ND(0.45)
4,6-Dinitro-2-methylphenol		ND(0.39) J	R	ND(1.8)
4-Aminobiphenyl		ND(0.78)	ND(0.43) J	ND(0.41)
4-Bromophenyl-phenylether		ND(0.39)	ND(0.43)	ND(0.74)
4-Chloro-3-Methylphenol		ND(0.39) J	R	ND(0.74)
4-Chloroaniline		ND(0.39)	ND(0.43)	ND(0.68)
4-Chlorobenzilate		ND(0.78)	ND(0.43)	ND(0.70)
4-Chlorophenyl-phenylether		ND(0.39)	ND(0.43)	ND(0.59)
4-Methylphenol		NA	R	NA
4-Nitroaniline		ND(2.0)	ND(1.1)	ND(1.1)
4-Nitrophenol		ND(2.0)	R	ND(4.5)
4-Nitroquinoline-1-oxide		ND(0.78) J	R	ND(4.8)
4-Phenylenediamine		ND(0.78)	ND(0.43)	NA
5-Nitro-o-toluidine		ND(0.78)	ND(0.43)	ND(0.99)
7,12-Dimethylbenz(a)anthracene		ND(0.78)	ND(0.43)	ND(0.41)
a,a'-Dimethylphenethylamine		ND(0.78)	ND(0.43)	NA
Acenaphthene		ND(0.39) J	0.046 J	ND(0.65)
Acenaphthylene		0.22 J	0.033 J	0.090 J
Acetophenone		ND(0.39)	ND(0.43)	ND(0.65)
Aniline		ND(0.39)	ND(1.1)	ND(0.55)
Anthracene		0.17 J	0.12 J	0.68 J
Aramite		ND(0.78)	ND(0.43)	ND(0.65)
Azobenzene		NA	ND(0.43)	NA
Benzal chloride		NA	NA	ND(0.52)
Benzidine		ND(0.78) J	NA	ND(1.6)
Benzo(a)anthracene		0.29 J	0.62	0.41 J
Benzo(a)pyrene		ND(0.39)	0.60	0.58 J
Benzo(b)fluoranthene		ND(0.39)	0.45 J	0.98 Z
Benzo(g,h,i)perylene		ND(0.39)	0.48	0.20 J
Benzo(k)fluoranthene		ND(0.39)	0.58	1.8 Z
Benzoic Acid		NA	NA	ND(1.9)
Benzotrichloride		NA	NA	ND(0.61)

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [1]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI / 3A-A9-11 / 3A-A9-11 / 1-3 / 11/22/04	EPA / RB021602 / H2-RB021602-0-0010 / 1-1.5 / 11/02/98	Historical / I7-2-32 / I7-2-32A / 0-0.5 / 09/22/94
Semivolatile Organics (continued)				
Benzyl Alcohol		ND(0.78) J	ND(0.43)	ND(0.54)
Benzyl Chloride		NA	NA	ND(0.57)
bis(2-Chloroethoxy)methane		ND(0.39)	ND(0.43)	ND(0.66)
bis(2-Chloroethyl)ether		ND(0.39)	ND(0.43)	ND(0.58)
bis(2-Chloroisopropyl)ether		ND(0.39)	ND(0.43)	ND(0.64)
bis(2-Ethylhexyl)phthalate		ND(0.39)	ND(0.055)	0.035 J
Butylbenzylphthalate		ND(0.39)	ND(0.43)	ND(0.67)
Chrysene		0.14 J	0.73	0.42 J
Cyclophosphamide		NA	NA	ND(0.62)
Diallate		ND(0.78)	ND(0.43)	NA
Diallate (cis isomer)		NA	NA	ND(0.65)
Diallate (trans isomer)		NA	NA	ND(0.65)
Dibenz(a,j)acridine		NA	NA	ND(0.41)
Dibenzo(a,h)anthracene		ND(0.39)	0.12 J	0.062 J
Dibenzofuran		ND(0.39)	0.032 J	ND(0.68)
Diethylphthalate		ND(0.39)	ND(0.43)	ND(0.71)
Dimethoate		NA	NA	ND(0.65)
Dimethylphthalate		ND(0.39)	ND(0.43)	ND(0.96)
Di-n-Butylphthalate		ND(0.39)	ND(0.089)	0.12 JB
Di-n-Octylphthalate		ND(0.39)	ND(0.43)	ND(0.48)
Diphenylamine		ND(0.39)	NA	ND(1.4)
Ethyl Methacrylate		NA	NA	ND(0.58)
Ethyl Methanesulfonate		ND(0.39)	ND(0.43)	ND(0.59)
Famphur		NA	NA	ND(2.0)
Fluoranthene		0.19 J	1.1	0.51 J
Fluorene		ND(0.39)	0.068 J	ND(0.68)
Hexachlorobenzene		ND(0.39)	ND(0.43)	ND(0.76)
Hexachlorobutadiene		ND(0.39)	ND(0.43)	ND(0.55)
Hexachlorocyclopentadiene		ND(0.39)	ND(0.43) J	ND(0.65)
Hexachloroethane		ND(0.39)	ND(0.43)	ND(0.59)
Hexachlorophene		ND(0.78)	NA	NA
Hexachloropropene		ND(0.39) J	ND(0.43)	ND(0.56)
Indeno(1,2,3-cd)pyrene		ND(0.39)	0.49	0.21 J
Isodrin		ND(0.39)	ND(0.45)	ND(0.91)
Isophorone		ND(0.39)	ND(0.43)	ND(0.67)
Isosafrole		ND(0.78)	ND(0.43)	ND(1.3)
Methapyrilene		ND(0.78)	ND(0.43)	ND(1.3)
Methyl Methanesulfonate		ND(0.39)	ND(0.43)	ND(0.69)
Naphthalene		ND(0.39)	0.11 J	0.063 J
Nitrobenzene		ND(0.39)	ND(0.43)	ND(0.67)
N-Nitrosodiethylamine		ND(0.39)	ND(0.43)	ND(0.59)
N-Nitrosodimethylamine		ND(0.39)	ND(0.43)	ND(0.65)
N-Nitroso-di-n-butylamine		ND(0.78) J	ND(0.43)	ND(1.4)
N-Nitroso-di-n-propylamine		ND(0.39) J	ND(0.43)	ND(0.60)
N-Nitrosodiphenylamine		ND(0.39)	ND(0.43)	ND(1.4)
N-Nitrosomethylethylamine		ND(0.78)	ND(0.43)	ND(0.53)
N-Nitrosomorpholine		ND(0.39)	ND(0.43)	ND(0.74)
N-Nitrosopiperidine		ND(0.39)	ND(0.43)	ND(0.73)
N-Nitrosopyrrolidine		ND(0.78)	ND(0.43)	ND(0.52)
o,o,o-Triethylphosphorothioate		ND(0.39)	NA	ND(5.2)
o-Toluidine		ND(0.39)	ND(0.43)	ND(2.0)
Paraldehyde		NA	NA	ND(0.36)
p-Dimethylaminoazobenzene		ND(0.78)	ND(0.43)	ND(0.66)
Pentachlorobenzene		ND(0.39)	0.092 J	ND(0.65)
Pentachloroethane		ND(0.39)	ND(0.43)	ND(0.82)
Pentachloronitrobenzene		ND(0.78)	ND(0.43)	ND(0.63)
Pentachlorophenol		ND(2.0) J	R	ND(1.4)
Phenacetin		ND(0.78)	ND(0.43)	ND(0.60)
Phenanthrene		0.086 J	0.68	0.18 J
Phenol		ND(0.39)	R	ND(0.56)
Pronamide		ND(0.39)	ND(0.43)	ND(0.64)
Pyrene		0.30 J	1.1	0.43 J
Pyridine		ND(0.39)	ND(0.43)	ND(0.54)
Safrole		ND(0.39) J	ND(0.43)	ND(0.57)
Thionazin		ND(0.39)	NA	ND(0.66)

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3A-A9-11 3A-A9-11 1-3 11/22/04	EPA RB021602 H2-RB021602-0-0010 1-1.5 11/02/98	Historical I7-2-32 I7-2-32A 0-0.5 09/22/94
Organochlorine Pesticides				
4,4'-DDD		NA	ND(0.89)	ND(2.1)
4,4'-DDE		NA	ND(0.89)	ND(1.0)
4,4'-DDT		NA	R	ND(2.1)
Aldrin		NA	ND(0.45)	ND(0.53)
Alpha-BHC		NA	ND(0.45)	ND(0.53)
Beta-BHC		NA	ND(0.45)	ND(1.1)
Delta-BHC		NA	ND(0.45)	ND(1.6)
Dieldrin		NA	ND(0.89)	ND(2.7)
Endosulfan I		NA	ND(0.45)	ND(2.7)
Endosulfan II		NA	ND(0.89)	ND(0.53)
Endosulfan Sulfate		NA	ND(0.89)	ND(11)
Endrin		NA	ND(0.89)	ND(5.8)
Endrin Aldehyde		NA	ND(0.89)	ND(4.3)
Gamma-BHC (Lindane)		NA	ND(0.45)	ND(0.53)
Heptachlor		NA	ND(0.45)	ND(0.53)
Heptachlor Epoxide		NA	ND(0.45)	ND(16)
Kepone		NA	R	NA
Methoxychlor		NA	ND(4.5)	ND(32)
Technical Chlordane		NA	ND(4.5)	ND(2.7)
Toxaphene		NA	ND(45)	ND(43)
Organophosphate Pesticides				
Dimethoate		NA	NA	ND(0.013)
Disulfoton		NA	NA	ND(0.013)
Ethyl Parathion		NA	NA	ND(0.013)
Famphur		NA	NA	ND(0.013)
Methyl Parathion		NA	NA	ND(0.013)
Phorate		NA	NA	ND(0.013)
Sulfotep		NA	NA	ND(0.013)
Herbicides				
2,4,5-T		NA	NA	0.46 P
2,4,5-TP		NA	NA	ND(0.33)
2,4-D		NA	NA	ND(1.3)
Dinoseb		NA	ND(0.43)	ND(0.11)
Furans				
2,3,7,8-TCDF		ND(0.00000047)	0.000035	0.00030
TCDFs (total)		ND(0.00000047)	0.00027 J	0.00074
1,2,3,7,8-PeCDF		ND(0.00000057)	0.000017	ND(0.00013)
2,3,4,7,8-PeCDF		ND(0.00000057)	0.000032	ND(0.00013)
PeCDFs (total)		0.00000060 J	0.00037 J	0.0017
1,2,3,4,7,8-HxCDF		ND(0.00000057)	0.000036	0.00036
1,2,3,6,7,8-HxCDF		ND(0.00000057)	0.000020	ND(0.00012)
1,2,3,7,8,9-HxCDF		ND(0.00000057)	0.0000059	ND(0.00028)
2,3,4,6,7,8-HxCDF		ND(0.00000057)	0.000013	ND(0.00021)
HxCDFs (total)		ND(0.00000057)	0.00033 J	0.0018
1,2,3,4,6,7,8-HpCDF		0.00000064 J	0.00019 J	0.00048
1,2,3,4,7,8,9-HpCDF		ND(0.00000057)	0.000018	ND(0.00024)
HpCDFs (total)		0.00000064 J	0.00041 J	ND(0.00048)
OCDF		ND(0.0000011)	0.00022	ND(0.00044)
Dioxins				
2,3,7,8-TCDD		ND(0.00000025)	0.00000084	ND(0.000092)
TCDDs (total)		ND(0.00000069)	0.0000074	ND(0.000092)
1,2,3,7,8-PeCDD		ND(0.00000057)	0.0000016 J	ND(0.00016)
PeCDDs (total)		0.0000012 J	0.000013 J	ND(0.00016)
1,2,3,4,7,8-HxCDD		ND(0.00000057)	0.0000036	ND(0.00026)
1,2,3,6,7,8-HxCDD		ND(0.00000057)	0.0000070	ND(0.00013)
1,2,3,7,8,9-HxCDD		ND(0.00000057)	0.0000032	ND(0.00022)
HxCDDs (total)		ND(0.00000057)	0.000062	ND(0.00021)
1,2,3,4,6,7,8-HpCDD		0.0000012 J	0.00018	ND(0.00027)
HpCDDs (total)		0.0000021 J	0.00032	ND(0.00027)
OCDD		0.0000096 J	0.0017	0.0023
Total TEQs (WHO TEFs)		0.00000081	0.000036	0.00030

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [1]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3A-A9-11 3A-A9-11 1-3 11/22/04	EPA RB021602 H2-RB021602-0-0010 1-1.5 11/02/98	Historical I7-2-32 I7-2-32A 0-0.5 09/22/94
Inorganics				
Aluminum		NA	NA	9940
Antimony		ND(6.00) J	ND(0.760)	0.480 BN
Arsenic		6.80	2.30	4.90
Barium		17.0 B	28.1	65.4
Beryllium		0.250 B	ND(0.170)	0.390
Cadmium		0.340 B	ND(0.0400)	0.250 B
Calcium		NA	NA	18500
Chromium		6.60	12.3	23.9
Cobalt		6.90	6.40	10.3
Copper		14.0	18.1	57.9
Cyanide		0.0440 B	ND(0.640)	ND(0.670)
Iron		NA	NA	21700
Lead		20.0	27.3 J	107
Magnesium		NA	NA	12100
Manganese		NA	NA	449
Mercury		0.0870 B	0.0800	0.270 N
Nickel		11.0	11.0	19.4
Potassium		NA	NA	1420
Selenium		ND(1.00)	ND(0.570) J	0.580 B
Silver		ND(1.0)	0.210	0.530 B
Sodium		NA	NA	ND(23.1)
Sulfide		ND(5.80)	ND(6.50)	NA
Thallium		ND(1.20)	ND(0.650)	ND(0.510)
Tin		ND(10.0)	2.20	18.0
Vanadium		6.80	9.90	20.2
Zinc		46.0	65.6 J	159

TABLE D-16
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE and EPA subcontractors and submitted for analysis of certain Appendix IX+3 constituents.
2. Data Types: PDI = GE Pre-Design Investigation soil sampling; EPA = United States Environmental Protection Agency soil sampling provided to GE under a Data Exchange Agreement between GE and EPA; Historical = GE Historical soil sampling.
3. PDI Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
4. NA - Not Analyzed.
5. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
6. Field duplicate sample results are presented in brackets.
7. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (volatiles, semivolatiles, pesticides, herbicides, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
- J - Estimated Value.
- P - Greater than 25% difference between primary and confirmation collumn.
- Q - Indicates the presence of quantitative interferences.
- R - Rejected.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.
- Z - Coeluting isomers could not be chromatographically resolved in the sample.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- J - Estimated Value.
- N - Indicates sample matrix spike analysis was outside control limits.

TABLE D-17
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-32

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
1,2,4-Trichlorobenzene	0.067	480	No
1,4-Dichlorobenzene	0.059	3	No
1-Methylnaphthalene	0.036	55	No
2-Methylnaphthalene	2.7	55	No
3&4-Methylphenol	0.29	270	No
Acenaphthene	7.6	2,600	No
Acenaphthylene	7.9	55	No
Anthracene	7.6	14,000	No
Benzo(a)anthracene	30	0.56	**Yes**
Benzo(a)pyrene	28	0.056	**Yes**
Benzo(b)fluoranthene	16	0.56	**Yes**
Benzo(g,h,i)perylene	15	55	No
Benzo(k)fluoranthene	22	5.6	**Yes**
bis(2-Ethylhexyl)phthalate	0.035	32	No
Chrysene	25	56	No
Dibenzo(a,h)anthracene	3.4	0.056	**Yes**
Dibenzofuran	3.6	210	No
Di-n-Butylphthalate	0.12	5,500	No
Fluoranthene	61	2,000	No
Fluorene	7.5	1,800	No
Indeno(1,2,3-cd)pyrene	12	0.56	**Yes**
Naphthalene	2.7	55	No
Pentachlorobenzene	0.092	44	No
Phenanthrene	26	55	No
Pyrene	99	1,500	No
Inorganics			
Antimony	1.8	30	No
Arsenic	10	0.38	**Yes**
Barium	72	5,200	No
Beryllium	0.39	150	No
Cadmium	0.38	37	No
Chromium	23.9	210	No
Cobalt	10.3	3,300	No
Copper	57.9	2,800	No
Cyanide	0.19	11	No
Lead	107	400	No
Mercury	0.49	22	No
Nickel	19.4	1,500	No
Selenium	0.58	370	No
Silver	0.53	370	No
Sulfide	12	350	No
Tin	18	45,000	No
Vanadium	20.2	520	No
Zinc	159	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-18
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-32 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	I7-2-32A 0-0.5 09/22/94	3A-A9-10 0-1 11/23/04	3A-A9-11 0-1 11/22/04	Maximum Sample Result	Arithmetic Average Concentration	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 3)	Constituent Exceeds Initial Comparison Criteria? (See Note 4)
Semivolatile Organics							
Benzo(a)anthracene	0.41	13	8.5	N/A (See Note 4)	7.30	7	Yes
Benzo(a)pyrene	0.58	9.5	6.3	N/A (See Note 4)	5.46	2	Yes
Benzo(b)fluoranthene	0.98	5.4	4.3	N/A (See Note 4)	3.56	7	No
Benzo(k)fluoranthene	1.8	7.6	5.5	N/A (See Note 4)	4.97	70	No
Dibenzo(a,h)anthracene	0.062	1.5	0.73	N/A (See Note 4)	0.76	0.7	Yes
Indeno(1,2,3-cd)pyrene	0.21	4.5	2.7	N/A (See Note 4)	2.47	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.0003	0.000059	0.0000081	3.00E-04	N/A (See Note 4)	1.00E-03	No
Inorganics							
Arsenic	4.90	10.0	6.70	N/A (See Note 4)	7.20	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
4. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-19
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-32 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	RB021602 1-1.5 11/02/98	3A-A9-10 1-3 11/23/04	3A-A9-11 1-3 11/22/04	3A-A9-10 3-5 11/23/04
Semivolatile Organics				
Benzo(a)anthracene	0.62	20	0.29	1.5
Benzo(a)pyrene	0.60	18	**0.20**	1.9
Benzo(b)fluoranthene	0.45	10	**0.20**	1.1
Benzo(k)fluoranthene	0.58	14	**0.20**	1.3
Dibenzo(a,h)anthracene	0.12	2.3	**0.20**	**0.18**
Indeno(1,2,3-cd)pyrene	0.49	7.9	**0.20**	0.92
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.000036	*0.0000047*	0.00000081	0.0000014
Inorganics				
Arsenic	2.30	7.10	6.80	7.40

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	5.60	7	No
Benzo(a)pyrene	N/A (See Note 5)	5.18	2	**Yes**
Benzo(b)fluoranthene	N/A (See Note 5)	2.94	7	No
Benzo(k)fluoranthene	N/A (See Note 5)	4.02	70	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.70	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	2.38	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	3.60E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	5.90	20	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Total TEQs concentrations in italics represent the maximum value for the sample location/depth in question.

TABLE D-20
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-32 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	I7-2-32A 0-0.5 09/22/94	3A-A9-10 0-1 11/23/04	3A-A9-11 0-1 11/22/04	Maximum Sample Result	Arithmetic Average Concentration	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 3)	Constituent Exceeds Initial Comparison Criteria? (See Note 4)
Semivolatile Organics							
Benzo(a)anthracene	0.41	***0.198***	***0.198***	N/A (See Note 4)	0.27	7	No
Benzo(a)pyrene	0.58	***0.198***	***0.198***	N/A (See Note 4)	0.33	2	No
Benzo(b)fluoranthene	0.98	***0.198***	***0.198***	N/A (See Note 4)	0.46	7	No
Benzo(k)fluoranthene	1.8	***0.198***	***0.198***	N/A (See Note 4)	0.73	70	No
Dibenzo(a,h)anthracene	0.062	***0.256***	***0.256***	N/A (See Note 4)	0.19	0.7	No
Indeno(1,2,3-cd)pyrene	0.21	***0.256***	***0.256***	N/A (See Note 4)	0.24	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.0003	0.000059	0.0000081	3.00E-04	N/A (See Note 4)	1.00E-03	No
Inorganics							
Arsenic	4.90	10.0	6.70	N/A (See Note 4)	7.20	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
4. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
5. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set.

TABLE D-21
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-32 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	RB021602 1-1.5 11/02/98	3A-A9-10 1-3 11/23/04	3A-A9-11 1-3 11/22/04	3A-A9-10 3-5 11/23/04
Semivolatile Organics				
Benzo(a)anthracene	0.62	***0.198***	0.29	1.5
Benzo(a)pyrene	0.60	***0.198***	**0.20**	1.9
Benzo(b)fluoranthene	0.45	***0.198***	**0.20**	1.1
Benzo(k)fluoranthene	0.58	***0.198***	**0.20**	1.3
Dibenzo(a,h)anthracene	0.12	***0.256***	**0.20**	**0.18**
Indeno(1,2,3-cd)pyrene	0.49	***0.256***	**0.20**	0.92
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.000036	*0.0000047*	0.00000081	0.0000014
Inorganics				
Arsenic	2.30	7.10	6.80	7.40

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.65	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.72	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.49	7	No
Benzo(k)fluoranthene	N/A (See Note 5)	0.57	70	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.19	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.47	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	3.60E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	5.90	20	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Total TEQs concentrations in italics represent the maximum value for the sample location/depth in question.
7. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set.

I7-2-33

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TABLE D-22
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-12 0-1 11/19/04	3A-A9-12 1-3 11/19/04	3A-A9-12 3-5 11/19/04	3A-A9-13 0-1 11/22/04	3A-A9-13 1-3 11/22/04
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
1,2,4-Trichlorobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
1,2-Dichlorobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
1,2-Diphenylhydrazine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
1,3,5-Trinitrobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
1,3-Dichlorobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
1,3-Dinitrobenzene	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
1,4-Dichlorobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
1,4-Naphthoquinone	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
1-Naphthylamine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
2,3,4,6-Tetrachlorophenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2,4,5-Trichlorophenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2,4,6-Trichlorophenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2,4-Dichlorophenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2,4-Dimethylphenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2,4-Dinitrophenol	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.0)	ND(1.9)
2,4-Dinitrotoluene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2,6-Dichlorophenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2,6-Dinitrotoluene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2-Acetylaminofluorene	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
2-Chloronaphthalene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2-Chlorophenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2-Methylnaphthalene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2-Methylphenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
2-Naphthylamine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
2-Nitroaniline	ND(2.3) J	ND(2.2) J	ND(2.2) J	ND(2.0) J	ND(1.9) J
2-Nitrophenol	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
2-Picoline	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
3&4-Methylphenol	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
3,3'-Dichlorobenzidine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78) J	ND(0.75) J
3,3'-Dimethylbenzidine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38) J	ND(0.37) J
3-Methylcholanthrene	ND(0.91) J	ND(0.86) J	ND(0.88) J	ND(0.78)	ND(0.75)
3-Nitroaniline	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.0) J	ND(1.9) J
4,6-Dinitro-2-methylphenol	ND(0.45) J	ND(0.43) J	ND(0.44) J	ND(0.38) J	ND(0.37) J
4-Aminobiphenyl	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
4-Bromophenyl-phenylether	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
4-Chloro-3-Methylphenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
4-Chloroaniline	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
4-Chlorobenzilate	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
4-Chlorophenyl-phenylether	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
4-Nitroaniline	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.0)	ND(1.9)
4-Nitrophenol	ND(2.3)	ND(2.2)	ND(2.2) J	ND(2.0)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.91) J	ND(0.86) J	ND(0.88) J	ND(0.78) J	ND(0.75) J
4-Phenylenediamine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
5-Nitro-o-toluidine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
7,12-Dimethylbenz(a)anthracene	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78) J	ND(0.75) J
a,a'-Dimethylphenethylamine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Acenaphthene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Acenaphthylene	1.8	2.6	0.54	0.69	ND(0.37)
Acetophenone	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Aniline	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Anthracene	0.75	0.72	0.70	0.40	ND(0.37)
Aramite	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Benzidine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78) J	ND(0.75) J
Benzo(a)anthracene	4.1	2.1	1.7	1.5	0.20 J
Benzo(a)pyrene	3.8	3.2	1.2	1.4	ND(0.37)
Benzo(b)fluoranthene	1.9	1.4	0.80	0.93	ND(0.37)
Benzo(g,h,i)perylene	1.5	2.0	0.35 J	0.82	ND(0.37)
Benzo(k)fluoranthene	2.8	1.8	0.93	0.93	ND(0.37)
Benzyl Alcohol	ND(0.91) J	ND(0.86) J	ND(0.88) J	ND(0.78) J	ND(0.75) J
bis(2-Chloroethoxy)methane	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
bis(2-Chloroethyl)ether	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
bis(2-Chloroisopropyl)ether	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
bis(2-Ethylhexyl)phthalate	ND(0.45)	ND(0.42)	ND(0.43)	ND(0.38)	ND(0.37)
Butylbenzylphthalate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Chrysene	3.6	2.5	1.4	1.4	0.076 J
Diallate	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Dibenzo(a,h)anthracene	0.62	0.54	ND(0.44)	0.16 J	ND(0.37)

TABLE D-22
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-12 0-1 11/19/04	3A-A9-12 1-3 11/19/04	3A-A9-12 3-5 11/19/04	3A-A9-13 0-1 11/22/04	3A-A9-13 1-3 11/22/04
Semivolatile Organics					
Dibenzofuran	ND(0.45)	0.11 J	ND(0.44)	ND(0.38)	ND(0.37)
Diethylphthalate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Dimethylphthalate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Di-n-Butylphthalate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Di-n-Octylphthalate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Diphenylamine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Ethyl Methanesulfonate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Fluoranthene	5.5	2.7	3.1	1.9	0.14 J
Fluorene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Hexachlorobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Hexachlorobutadiene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Hexachlorocyclopentadiene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Hexachloroethane	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Hexachlorophene	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Hexachloropropene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38) J	ND(0.37) J
Indeno(1,2,3-cd)pyrene	1.4	1.4	0.34 J	0.62	ND(0.37)
Isodrin	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Isophorone	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Isosafrole	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Methapyrilene	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Methyl Methanesulfonate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Naphthalene	0.39 J	0.17 J	0.12 J	0.097 J	ND(0.37)
Nitrobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
N-Nitrosodiethylamine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
N-Nitrosodimethylamine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
N-Nitroso-di-n-butylamine	ND(0.91) J	ND(0.86) J	ND(0.88) J	ND(0.78) J	ND(0.75) J
N-Nitroso-di-n-propylamine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
N-Nitrosodiphenylamine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
N-Nitrosomethylethylamine	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
N-Nitrosomorpholine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
N-Nitrosopiperidine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
N-Nitrosopyrrolidine	ND(0.91) J	ND(0.86) J	ND(0.88) J	ND(0.78)	ND(0.75)
o,o,o-Triethylphosphorothioate	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
o-Toluidine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
p-Dimethylaminoazobenzene	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78) J	ND(0.75) J
Pentachlorobenzene	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Pentachloroethane	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Pentachloronitrobenzene	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Pentachlorophenol	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.0)	ND(1.9)
Phenacetin	ND(0.91)	ND(0.86)	ND(0.88)	ND(0.78)	ND(0.75)
Phenanthrene	1.4	0.69	1.1	0.41	ND(0.37)
Phenol	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Pronamide	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Pyrene	6.0	3.0	1.9 J	2.7	0.10 J
Pyridine	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Safrole	ND(0.45) J	ND(0.43) J	ND(0.44) J	ND(0.38) J	ND(0.37) J
Thionazin	ND(0.45)	ND(0.43)	ND(0.44)	ND(0.38)	ND(0.37)
Furans					
2,3,7,8-TCDF	0.00017 Y	0.000031 Y	0.00000072 J	0.0000038 Y	0.0000015 JQ
TCDFs (total)	0.0018 QI	0.00037 Q	0.00000072 JQ	0.000050 Q	0.000012 Q
1,2,3,7,8-PeCDF	0.00010 Q	0.000018 Q	ND(0.00000061) Q	ND(0.0000035) Q	0.00000083 JQ
2,3,4,7,8-PeCDF	0.00016 Q	0.000031 Q	ND(0.00000061) Q	ND(0.0000033) Q	0.0000016 JQ
PeCDFs (total)	0.0015 Q	0.00022 Q	ND(0.00000061) Q	0.000081 Q	0.000022 Q
1,2,3,4,7,8-HxCDF	0.00028	0.000052	ND(0.00000080)	0.0000028 J	0.0000016 J
1,2,3,6,7,8-HxCDF	0.000083	0.000017	ND(0.00000069)	ND(0.0000016)	ND(0.00000092) X
1,2,3,7,8,9-HxCDF	0.000024 Q	0.0000078 Q	ND(0.00000093)	ND(0.0000019) Q	ND(0.00000050) Q
2,3,4,6,7,8-HxCDF	0.000083	0.000016	ND(0.00000078)	ND(0.0000017)	0.0000014 J
HxCDFs (total)	0.0018 Q	0.00027 Q	ND(0.00000061)	0.000046 Q	0.000018 Q
1,2,3,4,6,7,8-HpCDF	0.00074	0.00012	ND(0.00000061)	0.000016	0.000006 J
1,2,3,4,7,8,9-HpCDF	0.00010	0.000015	ND(0.00000061)	0.00000083 J	ND(0.00000077) X
HpCDFs (total)	0.0016	0.00025	ND(0.00000061)	0.000030	0.000012
OCDF	0.0011	0.00015	ND(0.0000012)	0.000013	0.0000062 J

TABLE D-22
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-12 0-1 11/19/04	3A-A9-12 1-3 11/19/04	3A-A9-12 3-5 11/19/04	3A-A9-13 0-1 11/22/04	3A-A9-13 1-3 11/22/04
Dioxins					
2,3,7,8-TCDD	ND(0.0000035) Q	0.00000056 JQ	ND(0.00000025)	ND(0.00000049) Q	ND(0.00000045)
TCDDs (total)	0.000030 Q	0.0000028 Q	ND(0.00000061)	ND(0.00000049) Q	ND(0.00000045) Q
1,2,3,7,8-PeCDD	0.000015 Q	ND(0.0000021) X	ND(0.00000061)	ND(0.00000054) Q	ND(0.00000050) Q
PeCDDs (total)	0.000037 Q	0.000015 Q	ND(0.00000061)	0.0000021 JQ	0.0000016 JQ
1,2,3,4,7,8-HxCDD	ND(0.000017) X	0.0000025 J	ND(0.00000061)	ND(0.00000054)	ND(0.00000059)
1,2,3,6,7,8-HxCDD	0.000029	ND(0.0000063) X	ND(0.00000061)	0.00000078 J	0.00000061 J
1,2,3,7,8,9-HxCDD	0.000016	0.0000030 J	ND(0.00000061)	0.00000074 J	0.00000067 J
HxCDDs (total)	0.00016	0.000046	ND(0.00000084)	0.0000054 J	0.0000017 J
1,2,3,4,6,7,8-HpCDD	0.00048	0.000076	0.00000064 J	0.0000077	0.0000042 J
HpCDDs (total)	0.00088	0.00014	0.00000064 J	0.000015	0.0000077
OCDD	0.0044	0.00069	0.0000037 J	0.000057	0.000030
Total TEQs (WHO TEFs)	0.00018	0.000033	0.00000093	0.0000028	0.0000021
Inorganics					
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	0.900 J	1.40 J
Arsenic	4.60	5.80	2.40	5.80	4.70
Barium	52.0	54.0	27.0	24.0	20.0
Beryllium	0.320 B	0.220 B	0.200 B	0.240 B	0.150 B
Cadmium	1.00	0.380 B	ND(0.500)	0.410 B	0.380 B
Chromium	26.0	13.0	9.70	5.80	9.60
Cobalt	7.50	6.00	6.00	6.10	7.00
Copper	160 J	51.0 J	16.0 J	14.0	19.0
Cyanide	0.900	0.290	0.140	0.0820 B	0.0970 B
Lead	170	120	18.0	35.0	29.0
Mercury	0.340	0.0350 B	0.0470 B	0.100 B	0.0330 B
Nickel	24.0	14.0	10.0	11.0	13.0
Selenium	1.60 J	1.30 J	0.900 J	ND(1.00)	ND(1.00)
Silver	0.810 B	0.270 B	ND(1.00)	ND(1.0)	ND(1.0)
Sulfide	540 J	8.20 J	19.0 J	5.60 J	5.40 J
Thallium	ND(1.40) J	ND(1.30) J	ND(1.30) J	ND(1.20)	ND(1.10)
Tin	19.0	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	15.0	10.0	8.70	6.90	7.20
Zinc	690	340	40.0	44.0	43.0

TABLE D-22
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	3A-A9-14 / 0-1 / 11/22/04	3A-A9-14 / 1-3 / 11/22/04
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene		ND(0.43)	ND(0.40) [ND(0.40)]
1,2,4-Trichlorobenzene		ND(0.43)	ND(0.40) [ND(0.40)]
1,2-Dichlorobenzene		ND(0.43)	ND(0.40) [ND(0.40)]
1,2-Diphenylhydrazine		ND(0.43)	ND(0.40) [ND(0.40)]
1,3,5-Trinitrobenzene		ND(0.43)	ND(0.40) [ND(0.40)]
1,3-Dichlorobenzene		ND(0.43)	ND(0.40) [ND(0.40)]
1,3-Dinitrobenzene		ND(0.87)	ND(0.80) [ND(0.80)]
1,4-Dichlorobenzene		ND(0.43)	ND(0.40) [ND(0.40)]
1,4-Naphthoquinone		ND(0.87)	ND(0.80) [ND(0.80)]
1-Naphthylamine		ND(0.87)	ND(0.80) [ND(0.80)]
2,3,4,6-Tetrachlorophenol		ND(0.43)	ND(0.40) [ND(0.40)]
2,4,5-Trichlorophenol		ND(0.43)	ND(0.40) [ND(0.40)]
2,4,6-Trichlorophenol		ND(0.43)	ND(0.40) [ND(0.40)]
2,4-Dichlorophenol		ND(0.43)	ND(0.40) [ND(0.40)]
2,4-Dimethylphenol		ND(0.43)	ND(0.40) [ND(0.40)]
2,4-Dinitrophenol		ND(2.2)	ND(2.0) [ND(2.0)]
2,4-Dinitrotoluene		ND(0.43)	ND(0.40) [ND(0.40)]
2,6-Dichlorophenol		ND(0.43)	ND(0.40) [ND(0.40)]
2,6-Dinitrotoluene		ND(0.43)	ND(0.40) [ND(0.40)]
2-Acetylaminofluorene		ND(0.87)	ND(0.80) [ND(0.80)]
2-Chloronaphthalene		ND(0.43)	ND(0.40) [ND(0.40)]
2-Chlorophenol		ND(0.43)	ND(0.40) [ND(0.40)]
2-Methylnaphthalene		ND(0.43)	ND(0.40) [ND(0.40)]
2-Methylphenol		ND(0.43)	ND(0.40) [ND(0.40)]
2-Naphthylamine		ND(0.87)	ND(0.80) [ND(0.80)]
2-Nitroaniline		ND(2.2) J	ND(2.0) J [ND(2.0) J]
2-Nitrophenol		ND(0.87)	ND(0.80) [ND(0.80)]
2-Picoline		ND(0.43)	ND(0.40) [ND(0.40)]
3&4-Methylphenol		ND(0.87)	ND(0.80) [ND(0.80)]
3,3'-Dichlorobenzidine		ND(0.87) J	ND(0.80) J [ND(0.80) J]
3,3'-Dimethylbenzidine		ND(0.43) J	ND(0.40) J [ND(0.40) J]
3-Methylcholanthrene		ND(0.87)	ND(0.80) [ND(0.80)]
3-Nitroaniline		ND(2.2) J	ND(2.0) J [ND(2.0) J]
4,6-Dinitro-2-methylphenol		ND(0.43) J	ND(0.40) J [ND(0.40) J]
4-Aminobiphenyl		ND(0.87)	ND(0.80) [ND(0.80)]
4-Bromophenyl-phenylether		ND(0.43)	ND(0.40) [ND(0.40)]
4-Chloro-3-Methylphenol		ND(0.43)	ND(0.40) [ND(0.40)]
4-Chloroaniline		ND(0.43)	ND(0.40) [ND(0.40)]
4-Chlorobenzilate		ND(0.87)	ND(0.80) [ND(0.80)]
4-Chlorophenyl-phenylether		ND(0.43)	ND(0.40) [ND(0.40)]
4-Nitroaniline		ND(2.2)	ND(2.0) [ND(2.0)]
4-Nitrophenol		ND(2.2)	ND(2.0) [ND(2.0)]
4-Nitroquinoline-1-oxide		ND(0.87) J	ND(0.80) J [ND(0.80) J]
4-Phenylenediamine		ND(0.87)	ND(0.80) [ND(0.80)]
5-Nitro-o-toluidine		ND(0.87)	ND(0.80) [ND(0.80)]
7,12-Dimethylbenz(a)anthracene		ND(0.87) J	ND(0.80) J [ND(0.80) J]
a,a'-Dimethylphenethylamine		ND(0.87)	ND(0.80) [ND(0.80)]
Acenaphthene		ND(0.43)	ND(0.40) [0.29 J]
Acenaphthylene		0.29 J	0.23 J [1.3]
Acetophenone		ND(0.43)	ND(0.40) [ND(0.40)]
Aniline		ND(0.43)	ND(0.40) [ND(0.40)]
Anthracene		0.26 J	0.18 J [0.78]
Aramite		ND(0.87)	ND(0.80) [ND(0.80)]
Benzidine		ND(0.87) J	ND(0.80) J [ND(0.80) J]
Benzo(a)anthracene		0.47	0.24 J [1.8]
Benzo(a)pyrene		0.26 J	ND(0.40) [1.8]
Benzo(b)fluoranthene		0.41 J	ND(0.40) [1.2]
Benzo(g,h,i)perylene		0.089 J	ND(0.40) [1.0]
Benzo(k)fluoranthene		0.26 J	ND(0.40) [1.4]
Benzyl Alcohol		ND(0.87) J	ND(0.80) J [ND(0.80) J]
bis(2-Chloroethoxy)methane		ND(0.43)	ND(0.40) [ND(0.40)]
bis(2-Chloroethyl)ether		ND(0.43)	ND(0.40) [ND(0.40)]
bis(2-Chloroisopropyl)ether		ND(0.43)	ND(0.40) [ND(0.40)]
bis(2-Ethylhexyl)phthalate		ND(0.43)	ND(0.39) [ND(0.39)]
Butylbenzylphthalate		ND(0.43)	ND(0.40) [ND(0.40)]
Chrysene		0.44	0.11 J [1.8]
Diallate		ND(0.87)	ND(0.80) [ND(0.80)]
Dibenzo(a,h)anthracene		ND(0.43)	ND(0.40) [0.24 J]

TABLE D-22
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-14 0-1 11/22/04	3A-A9-14 1-3 11/22/04
Semivolatile Organics		
Dibenzofuran	ND(0.43)	ND(0.40) [ND(0.40)]
Diethylphthalate	ND(0.43)	ND(0.40) [ND(0.40)]
Dimethylphthalate	ND(0.43)	ND(0.40) [ND(0.40)]
Di-n-Butylphthalate	ND(0.43)	ND(0.40) [ND(0.40)]
Di-n-Octylphthalate	ND(0.43)	ND(0.40) [ND(0.40)]
Diphenylamine	ND(0.43)	ND(0.40) [ND(0.40)]
Ethyl Methanesulfonate	ND(0.43)	ND(0.40) [ND(0.40)]
Fluoranthene	1.0	0.16 J [4.4 J]
Fluorene	ND(0.43)	ND(0.40) [0.31 J]
Hexachlorobenzene	ND(0.43)	ND(0.40) [ND(0.40)]
Hexachlorobutadiene	ND(0.43)	ND(0.40) [ND(0.40)]
Hexachlorocyclopentadiene	ND(0.43)	ND(0.40) [ND(0.40)]
Hexachloroethane	ND(0.43)	ND(0.40) [ND(0.40)]
Hexachlorophene	ND(0.87)	ND(0.80) [ND(0.80)]
Hexachloropropene	ND(0.43) J	ND(0.40) J [ND(0.40) J]
Indeno(1,2,3-cd)pyrene	ND(0.43)	ND(0.40) [0.83]
Isodrin	ND(0.43)	ND(0.40) [ND(0.40)]
Isophorone	ND(0.43)	ND(0.40) [ND(0.40)]
Isosafrole	ND(0.87)	ND(0.80) [ND(0.80)]
Methapyrilene	ND(0.87)	ND(0.80) [ND(0.80)]
Methyl Methanesulfonate	ND(0.43)	ND(0.40) [ND(0.40)]
Naphthalene	ND(0.43)	ND(0.40) [0.25 J]
Nitrobenzene	ND(0.43)	ND(0.40) [ND(0.40)]
N-Nitrosodiethylamine	ND(0.43)	ND(0.40) [ND(0.40)]
N-Nitrosodimethylamine	ND(0.43)	ND(0.40) [ND(0.40)]
N-Nitroso-di-n-butylamine	ND(0.87) J	ND(0.80) J [ND(0.80) J]
N-Nitroso-di-n-propylamine	ND(0.43)	ND(0.40) [ND(0.40)]
N-Nitrosodiphenylamine	ND(0.43)	ND(0.40) [ND(0.40)]
N-Nitrosomethylethylamine	ND(0.87)	ND(0.80) [ND(0.80)]
N-Nitrosomorpholine	ND(0.43)	ND(0.40) [ND(0.40)]
N-Nitrosopiperidine	ND(0.43)	ND(0.40) [ND(0.40)]
N-Nitrosopyrrolidine	ND(0.87)	ND(0.80) [ND(0.80)]
o,o,o-Triethylphosphorothioate	ND(0.43)	ND(0.40) [ND(0.40)]
o-Toluidine	ND(0.43)	ND(0.40) [ND(0.40)]
p-Dimethylaminoazobenzene	ND(0.87) J	ND(0.80) J [ND(0.80) J]
Pentachlorobenzene	ND(0.43)	ND(0.40) [ND(0.40)]
Pentachloroethane	ND(0.43)	ND(0.40) [ND(0.40)]
Pentachloronitrobenzene	ND(0.87)	ND(0.80) [ND(0.80)]
Pentachlorophenol	ND(2.2)	ND(2.0) [ND(2.0)]
Phenacetin	ND(0.87)	ND(0.80) [ND(0.80)]
Phenanthrene	0.33 J	0.12 J [1.6]
Phenol	ND(0.43)	ND(0.40) [ND(0.40)]
Pronamide	ND(0.43)	ND(0.40) [ND(0.40)]
Pyrene	0.74	0.19 J [3.1 J]
Pyridine	ND(0.43)	ND(0.40) [ND(0.40)]
Safrole	ND(0.43) J	ND(0.40) J [ND(0.40) J]
Thionazin	ND(0.43)	ND(0.40) [ND(0.40)]
Furans		
2,3,7,8-TCDF	0.000057 Y	0.0000053 Y [0.0000048 Y]
TCDFs (total)	0.00066 Q	0.000060 Q [0.000053]
1,2,3,7,8-PeCDF	0.00017	0.0000065 J [0.000013 J]
2,3,4,7,8-PeCDF	0.000019	0.0000027 J [0.0000024 J]
PeCDFs (total)	0.00057 Q	0.000042 Q [0.000053]
1,2,3,4,7,8-HxCDF	0.000072	0.0000034 J [0.0000039 J]
1,2,3,6,7,8-HxCDF	0.000011	0.0000015 J [0.0000012 J]
1,2,3,7,8,9-HxCDF	ND(0.0000039) Q	ND(0.00000058) [ND(0.00000072)]
2,3,4,6,7,8-HxCDF	0.000015	0.0000015 J [0.0000015 J]
HxCDFs (total)	0.00029 Q	0.000023 [0.000023]
1,2,3,4,6,7,8-HpCDF	0.000042	0.0000044 J [0.0000039 J]
1,2,3,4,7,8,9-HpCDF	0.0000056 J	ND(0.00000058) [0.00000058 J]
HpCDFs (total)	0.000081	0.0000076 [0.0000072]
OCDF	0.000038	0.0000044 J [0.0000042 J]

TABLE D-22
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-14 0-1 11/22/04	3A-A9-14 1-3 11/22/04
Dioxins		
2,3,7,8-TCDD	ND(0.00000064) X	ND(0.00000041) [ND(0.00000052)]
TCDDs (total)	0.000010	ND(0.00000043) [ND(0.00000052)]
1,2,3,7,8-PeCDD	ND(0.0000021) X	ND(0.00000058) [ND(0.00000048)]
PeCDDs (total)	0.000012 Q	ND(0.00000058) [ND(0.00000048)]
1,2,3,4,7,8-HxCDD	0.0000021 J	ND(0.00000058) [ND(0.00000056)]
1,2,3,6,7,8-HxCDD	0.0000033 J	ND(0.00000058) [ND(0.00000053)]
1,2,3,7,8,9-HxCDD	0.0000030 J	ND(0.00000058) [ND(0.00000054)]
HxCDDs (total)	0.000035	0.0000010 J [0.0000014 J]
1,2,3,4,6,7,8-HpCDD	0.000035	0.0000034 J [0.0000033 J]
HpCDDs (total)	0.000067	0.0000063 J [0.0000033 J]
OCDD	0.00021	0.000019 [0.000016]
Total TEQs (WHO TEFs)	0.000037	0.0000035 [0.0000037]
Inorganics		
Antimony	1.80 J	1.10 J [2.30 J]
Arsenic	16.0	7.90 [11.0]
Barium	50.0	40.0 [45.0]
Beryllium	0.290 B	0.270 B [0.280 B]
Cadmium	0.760	0.380 B [0.570]
Chromium	11.0	7.50 [8.60]
Cobalt	8.30	7.90 [8.60]
Copper	26.0	21.0 [21.0]
Cyanide	0.210	0.0800 B [0.0780 B]
Lead	120	120 [110]
Mercury	0.540	1.60 [1.50]
Nickel	14.0	13.0 [15.0]
Selenium	ND(1.00)	ND(1.00) [ND(1.00)]
Silver	ND(1.0)	ND(1.0) [ND(1.0)]
Sulfide	310 J	300 J [140 J]
Thallium	ND(1.30)	ND(1.20) [ND(1.20)]
Tin	ND(10.0)	ND(10.0) [ND(10.0)]
Vanadium	11.0	7.60 [8.40]
Zinc	94.0	62.0 [64.0]

TABLE D-22
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Field duplicate sample results are presented in brackets.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)

I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Estimated Value.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Estimated Value.

TABLE D-23
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-33

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
Acenaphthene	0.29	2,600	No
Acenaphthylene	2.6	55	No
Anthracene	0.78	14,000	No
Benzo(a)anthracene	4.1	0.56	**Yes**
Benzo(a)pyrene	3.8	0.056	**Yes**
Benzo(b)fluoranthene	1.9	0.56	**Yes**
Benzo(g,h,i)perylene	2	55	No
Benzo(k)fluoranthene	2.8	5.6	No
Chrysene	3.6	56	No
Dibenzo(a,h)anthracene	0.62	0.056	**Yes**
Dibenzofuran	0.11	210	No
Fluoranthene	5.5	2,000	No
Fluorene	0.31	1,800	No
Indeno(1,2,3-cd)pyrene	1.4	0.56	**Yes**
Naphthalene	0.39	55	No
Phenanthrene	1.6	55	No
Pyrene	6	1,500	No
Inorganics			
Antimony	2.3	30	No
Arsenic	16	0.38	**Yes**
Barium	54	5,200	No
Beryllium	0.32	150	No
Cadmium	1	37	No
Chromium	26	210	No
Cobalt	8.6	3,300	No
Copper	160	2,800	No
Cyanide	0.9	11	No
Lead	170	400	No
Mercury	1.6	22	No
Nickel	24	1,500	No
Selenium	1.6	370	No
Silver	0.81	370	No
Sulfide	540	350	**Yes**
Tin	19	45,000	No
Vanadium	15	520	No
Zinc	690	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-24
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-33 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	3A-A9-12 0-1 11/19/04	3A-A9-13 0-1 11/22/04	3A-A9-14 0-1 11/22/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	4.1	1.5	0.47	N/A (See Note 5)	2.02	7	No
Benzo(a)pyrene	3.8	1.4	0.26	N/A (See Note 5)	1.82	2	No
Benzo(b)fluoranthene	1.9	0.93	0.41	N/A (See Note 5)	1.08	7	No
Dibenzo(a,h)anthracene	0.62	0.16	**0.22**	N/A (See Note 5)	0.33	0.7	No
Indeno(1,2,3-cd)pyrene	1.4	0.62	**0.22**	N/A (See Note 5)	0.75	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.00018	0.0000028	0.000037	1.80E-04	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	4.60	5.80	16.0	N/A (See Note 5)	8.80	20	No
Sulfide	540	5.60	310	N/A (See Note 5)	285.20	633*	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

TABLE D-25
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-33 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-12 1-3 11/19/04	3A-A9-13 1-3 11/22/04	3A-A9-14 1-3 11/22/04	3A-A9-12 3-5 11/19/04
Semivolatile Organics				
Benzo(a)anthracene	2.1	0.20	1.0	1.7
Benzo(a)pyrene	3.2	**0.19**	1.0	1.2
Benzo(b)fluoranthene	1.4	**0.19**	0.70	0.80
Dibenzo(a,h)anthracene	0.54	**0.19**	0.22	**0.22**
Indeno(1,2,3-cd)pyrene	1.4	**0.19**	0.52	0.34
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.000033	0.0000021	*0.0000037*	0.00000093
Inorganics				
Arsenic	5.80	4.70	9.45	2.40
Sulfide	8.20	5.40	220	19.0

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	1.25	7	No
Benzo(a)pyrene	N/A (See Note 5)	1.40	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.77	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.29	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.61	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	3.30E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	5.59	20	No
Sulfide	N/A (See Note 5)	63.15	633*	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.
7. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

I7-2-35 (BACK)

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TABLE D-26
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-35

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-15 0-1 11/29/04	3A-A9-15 1-3 11/29/04	3A-A9-16 0-1 11/23/04	3A-A9-16 1-3 12/02/04	3A-A9-16 3-5 12/02/04	3A-A9-17 0-1 11/23/04	3A-A9-17 1-3 11/23/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	R	ND(0.39)	ND(0.36)
1,2-Dichlorobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
1,2-Diphenylhydrazine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
1,3,5-Trinitrobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
1,3-Dichlorobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
1,3-Dinitrobenzene	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
1,4-Dichlorobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	R	ND(0.39)	ND(0.36)
1,4-Naphthoquinone	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
1-Naphthylamine	ND(1.1)	ND(0.85)	ND(0.88) J	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
2,3,4,6-Tetrachlorophenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2,4,5-Trichlorophenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46) J	ND(0.47) J	ND(0.39)	ND(0.36)
2,4,6-Trichlorophenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2,4-Dichlorophenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2,4-Dimethylphenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2,4-Dinitrophenol	ND(2.8) J	ND(2.2) J	ND(2.2)	ND(2.3) J	ND(2.4) J	ND(2.0)	ND(1.8)
2,4-Dinitrotoluene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2,6-Dichlorophenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2,6-Dinitrotoluene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2-Acetylaminofluorene	ND(1.1)	ND(0.85)	ND(0.88) J	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
2-Chloronaphthalene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2-Chlorophenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47) J	ND(0.39)	ND(0.36)
2-Methylnaphthalene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2-Methylphenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
2-Naphthylamine	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
2-Nitroaniline	ND(2.8) J	ND(2.2) J	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.0) J	ND(1.8) J
2-Nitrophenol	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
2-Picoline	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
3&4-Methylphenol	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
3,3'-Dichlorobenzidine	ND(1.1)	ND(0.85)	ND(0.88) J	ND(0.92)	ND(0.94)	ND(0.79) J	ND(0.72) J
3,3'-Dimethylbenzidine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39) J	ND(0.36) J
3-Methylcholanthrene	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92) J	ND(0.94) J	ND(0.79)	ND(0.72)
3-Nitroaniline	ND(2.8)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.0) J	ND(1.8) J
4,6-Dinitro-2-methylphenol	ND(0.55) J	ND(0.42) J	ND(0.44) J	ND(0.46) J	ND(0.47) J	ND(0.39) J	ND(0.36) J
4-Aminobiphenyl	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
4-Bromophenyl-phenylether	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
4-Chloro-3-Methylphenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
4-Chloroaniline	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
4-Chlorobenzilate	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
4-Chlorophenyl-phenylether	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
4-Nitroaniline	ND(2.8)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.0)	ND(1.8)
4-Nitrophenol	ND(2.8)	ND(2.2)	ND(2.2)	ND(2.3)	R	ND(2.0)	ND(1.8)
4-Nitroquinoline-1-oxide	ND(1.1) J	ND(0.85) J	ND(0.88) J	ND(0.92) J	ND(0.94) J	ND(0.79) J	ND(0.72) J
4-Phenylenediamine	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
5-Nitro-o-toluidine	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
7,12-Dimethylbenz(a)anthracene	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79) J	ND(0.72) J
a,a'-Dimethylphenethylamine	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92) J	ND(0.94) J	ND(0.79)	ND(0.72)
Acenaphthene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	R	ND(0.39)	ND(0.36)
Acenaphthylene	0.49 J	0.68	0.32 J	ND(0.46)	0.24 J	0.22 J	ND(0.36)
Acetophenone	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Aniline	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Anthracene	0.35 J	0.34 J	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Aramite	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
Benzidine	ND(1.1) J	ND(0.85) J	ND(0.88) J	ND(0.92)	ND(0.94)	ND(0.79) J	ND(0.72) J
Benzo(a)anthracene	0.64	0.75	0.30 J	0.23 J	ND(0.47)	0.23 J	ND(0.36)
Benzo(a)pyrene	0.47 J	0.71	0.12 J	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Benzo(b)fluoranthene	0.53 J	0.50	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Benzo(g,h,i)perylene	0.34 J	0.49	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Benzo(k)fluoranthene	0.31 J	0.43	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Benzyl Alcohol	ND(1.1) J	ND(0.85) J	ND(0.88) J	ND(0.92)	ND(0.94)	ND(0.79) J	ND(0.72) J
bis(2-Chloroethoxy)methane	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
bis(2-Chloroethyl)ether	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
bis(2-Chloroisopropyl)ether	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.54)	ND(0.42)	ND(0.43)	ND(0.45)	0.92	ND(0.39)	ND(0.35)
Butylbenzylphthalate	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Chrysene	0.50 J	0.58	0.12 J	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Diallate	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
Dibenzo(a,h)anthracene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)

TABLE D-26
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-35

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID:	3A-A9-15	3A-A9-15	3A-A9-16	3A-A9-16	3A-A9-16	3A-A9-17	3A-A9-17
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1	1-3
Parameter Date Collected:	11/29/04	11/29/04	11/23/04	12/02/04	12/02/04	11/23/04	11/23/04
Semivolatile Organics (continued)							
Dibenzofuran	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Diethylphthalate	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Dimethylphthalate	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Di-n-Butylphthalate	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Di-n-Octylphthalate	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Diphenylamine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Ethyl Methanesulfonate	ND(0.55)	ND(0.42)	ND(0.44) J	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Fluoranthene	0.60	0.65	0.18 J	ND(0.46)	ND(0.47)	0.13 J	ND(0.36)
Fluorene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Hexachlorobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Hexachlorobutadiene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Hexachloroethane	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Hexachlorophene	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
Hexachloropropene	ND(0.55) J	ND(0.42) J	ND(0.44) J	ND(0.46)	ND(0.47)	ND(0.39) J	ND(0.36) J
Indeno(1,2,3-cd)pyrene	0.23 J	0.41 J	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Isodrin	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Isophorone	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Isosafrole	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
Methapyrilene	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
Methyl Methanesulfonate	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Naphthalene	ND(0.55)	0.12 J	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Nitrobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
N-Nitrosodiethylamine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
N-Nitrosodimethylamine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46) J	ND(0.47) J	ND(0.39)	ND(0.36)
N-Nitroso-di-n-butylamine	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79) J	ND(0.72) J
N-Nitroso-di-n-propylamine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47) J	ND(0.39)	ND(0.36)
N-Nitrosodiphenylamine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
N-Nitrosomethylethylamine	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
N-Nitrosomorpholine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
N-Nitrosopiperidine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
N-Nitrosopyrrolidine	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
o,o,o-Triethylphosphorothioate	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
o-Toluidine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
p-Dimethylaminoazobenzene	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79) J	ND(0.72) J
Pentachlorobenzene	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Pentachloroethane	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Pentachloronitrobenzene	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
Pentachlorophenol	ND(2.8)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.4) J	ND(2.0)	ND(1.8)
Phenacetin	ND(1.1)	ND(0.85)	ND(0.88)	ND(0.92)	ND(0.94)	ND(0.79)	ND(0.72)
Phenanthrene	0.31 J	0.25 J	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Phenol	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Pronamide	ND(0.55) J	ND(0.42) J	ND(0.44)	ND(0.46) J	ND(0.47) J	ND(0.39)	ND(0.36)
Pyrene	0.74	0.82	0.22 J	0.12 J	R	0.11 J	ND(0.36)
Pyridine	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46)	ND(0.47)	ND(0.39)	ND(0.36)
Safrole	ND(0.55) J	ND(0.42) J	ND(0.44) J	ND(0.46) J	ND(0.47) J	ND(0.39) J	ND(0.36) J
Thionazin	ND(0.55)	ND(0.42)	ND(0.44)	ND(0.46) J	ND(0.47) J	ND(0.39)	ND(0.36)
Furans							
2,3,7,8-TCDF	0.000056 Y	0.000013 Y	0.000016 Y	0.0000021 Y	ND(0.00000056)	0.0000051 Y	0.00000079 J
TCDFs (total)	0.0010 Q	0.00026 Q	0.00012 Q	0.000010	ND(0.00000056)	0.000035	0.00000079 J
1,2,3,7,8-PeCDF	0.00050	0.00014	0.000017	ND(0.0000018)	ND(0.00000058)	0.0000044 J	ND(0.0000011) X
2,3,4,7,8-PeCDF	0.000057	0.000013	0.000011	ND(0.0000018)	ND(0.00000055) J	0.0000024 J	ND(0.00000052)
PeCDFs (total)	0.0013 Q	0.00034 Q	0.00020 I	0.0000036	ND(0.00000058)	0.000036	ND(0.00000052)
1,2,3,4,7,8-HxCDF	0.00023	0.000012	0.000038	ND(0.0000025)	ND(0.0000011)	0.0000047 J	ND(0.00000060) X
1,2,3,6,7,8-HxCDF	0.000023	0.0000053 J	0.0000085	ND(0.0000023)	ND(0.0000010)	0.0000013 J	ND(0.00000052)
1,2,3,7,8,9-HxCDF	0.0000092 Q	ND(0.0000019) Q	0.0000031 J	ND(0.0000029)	ND(0.0000013)	ND(0.00000066)	ND(0.00000066)
2,3,4,6,7,8-HxCDF	0.000027	0.0000065	0.000011	ND(0.0000026)	ND(0.0000011)	0.0000018 J	ND(0.00000055)
HxCDFs (total)	0.00072 Q	0.00016 Q	0.00024	0.0000039	ND(0.0000013)	0.000027	ND(0.00000055)
1,2,3,4,6,7,8-HpCDF	0.00019	0.000047	0.00013	0.000014	ND(0.0000012)	0.0000056 J	0.00000060 J
1,2,3,4,7,8,9-HpCDF	0.000018	0.0000040 J	0.0000061 J	ND(0.0000018)	ND(0.00000092)	ND(0.00000075)	ND(0.00000052)
HpCDFs (total)	0.00036	0.000089	0.00023	0.000024	ND(0.0000012)	0.0000098	0.0000012 J
OCDF	0.00016	0.000041	0.000085	0.0000065 J	ND(0.0000013)	0.0000061 J	ND(0.0000012)

TABLE D-26
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-35

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-15 0-1 11/29/04	3A-A9-15 1-3 11/29/04	3A-A9-16 0-1 11/23/04	3A-A9-16 1-3 12/02/04	3A-A9-16 3-5 12/02/04	3A-A9-17 0-1 11/23/04	3A-A9-17 1-3 11/23/04
Dioxins							
2,3,7,8-TCDD	0.0000014 J	ND(0.0000010)	ND(0.00000065)	ND(0.00000040)	ND(0.00000047)	ND(0.00000069)	ND(0.00000064)
TCDDs (total)	0.000016	0.0000016 J	0.0000042	ND(0.00000040)	ND(0.00000047)	ND(0.00000069)	ND(0.00000064)
1,2,3,7,8-PeCDD	ND(0.0000040)	0.0000016 J	ND(0.0000045) X	ND(0.0000021)	ND(0.00000076)	ND(0.00000060)	ND(0.00000052)
PeCDDs (total)	0.000016 Q	0.0000085 Q	0.000021	ND(0.0000021)	ND(0.0000010)	ND(0.00000060)	ND(0.00000052)
1,2,3,4,7,8-HxCDD	ND(0.0000057) X	0.0000015 J	0.0000032 J	ND(0.0000030)	ND(0.0000014)	ND(0.00000086)	ND(0.00000075)
1,2,3,6,7,8-HxCDD	ND(0.000012) X	ND(0.0000021) X	0.0000043 J	ND(0.0000027)	ND(0.0000012)	0.0000012 J	ND(0.00000067)
1,2,3,7,8,9-HxCDD	ND(0.0000080) X	ND(0.0000021) X	0.0000032 J	ND(0.0000028)	ND(0.0000012)	ND(0.00000082)	ND(0.00000072)
HxCDDs (total)	0.000085	0.000012	0.000054	ND(0.0000030)	ND(0.0000014)	0.0000087	ND(0.00000071)
1,2,3,4,6,7,8-HpCDD	0.000096	0.000020	0.000043	0.0000040 J	ND(0.0000015)	0.000031	0.00000083 J
HpCDDs (total)	0.00019	0.000039	0.000087	0.0000078	ND(0.0000015)	0.000061	0.00000083 J
OCDD	0.00071	0.00015	0.00030	0.000026	0.000011 J	0.00035	0.0000044 J
Total TEQs (WHO TEFs)	0.000096	0.000020	0.000019	0.0000031	0.0000012	0.0000040	0.0000011
Inorganics							
Antimony	ND(6.00)	1.10 B	1.60 B	ND(6.00) J	ND(6.00) J	ND(6.0)	ND(6.0)
Arsenic	12.0	13.0	6.70	5.00	6.60	6.20	5.30
Barium	76.0	66.0	67.0	42.0	44.0	24.0	22.0
Beryllium	0.290 B	0.500	ND(0.50)	0.130 B	0.240 B	ND(0.50)	ND(0.50)
Cadmium	0.540	0.300 B	0.450 B	0.210 B	ND(0.500)	0.220 B	0.180 B
Chromium	11.0	12.0	4.90	3.20	9.60	6.20	6.10
Cobalt	6.20	9.30	3.60 B	2.90 B	7.40	6.70	9.20
Copper	45.0	33.0	23.0	19.0	23.0	11.0	11.0
Cyanide	0.820	0.290	0.280	0.210	0.160	0.160	0.0550 B
Lead	200	140	130	87.0	38.0	42.0	10.0
Mercury	0.380	0.180	0.250	0.330	0.0570 B	0.0740 B	0.0150 B
Nickel	12.0	19.0	7.20	6.80	13.0	9.20	14.0
Selenium	1.70	2.20	0.950 J	1.10	1.70	ND(1.00) J	ND(1.00) J
Silver	ND(1.20)	ND(1.00)	0.210 B	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.0)
Sulfide	34.0	36.0	6.30 B	ND(6.80)	ND(7.00)	ND(5.90)	ND(5.40)
Thallium	ND(1.60) J	ND(1.30) J	ND(1.30)	ND(1.40)	ND(1.40)	ND(1.20)	ND(1.10)
Tin	ND(12.0)	ND(10.0)	ND(10.0)	ND(10.0) J	75.0 J	ND(10.0)	ND(10.0)
Vanadium	12.0	20.0	14.0	11.0	16.0	7.70	5.80
Zinc	190	130	190	64.0	90.0	63.0	44.0

TABLE D-26
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-35

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)

I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Estimated Value.
Q - Indicates the presence of quantitative interferences.
R - Rejected.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Estimated Value.

TABLE D-27
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-35 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
Acenaphthylene	0.68	55	No
Anthracene	0.35	14,000	No
Benzo(a)anthracene	0.75	0.56	**Yes**
Benzo(a)pyrene	0.71	0.056	**Yes**
Benzo(b)fluoranthene	0.53	0.56	No
Benzo(g,h,i)perylene	0.49	55	No
Benzo(k)fluoranthene	0.43	5.6	No
bis(2-Ethylhexyl)phthalate	0.92	32	No
Chrysene	0.58	56	No
Fluoranthene	0.65	2,000	No
Indeno(1,2,3-cd)pyrene	0.41	0.56	No
Naphthalene	0.12	55	No
Phenanthrene	0.31	55	No
Pyrene	0.82	1,500	No
Inorganics			
Antimony	1.6	30	No
Arsenic	13	0.38	**Yes**
Barium	76	5,200	No
Beryllium	0.5	150	No
Cadmium	0.54	37	No
Chromium	12	210	No
Cobalt	9.3	3,300	No
Copper	45	2,800	No
Cyanide	0.82	11	No
Lead	200	400	No
Mercury	0.38	22	No
Nickel	19	1,500	No
Selenium	2.2	370	No
Silver	0.21	370	No
Sulfide	36	350	No
Tin	75	45,000	No
Vanadium	20	520	No
Zinc	190	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-28
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-35 (BACK) (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-15 0-1 11/29/04	3A-A9-16 0-1 11/23/04	3A-A9-17 0-1 11/23/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	0.64	0.30	0.23	N/A (See Note 5)	0.39	7	No
Benzo(a)pyrene	0.47	0.12	**0.20**	N/A (See Note 5)	0.26	2	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.000096	0.000019	0.000004	9.60E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	12.0	6.70	6.20	N/A (See Note 5)	8.30	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-29
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-35 (BACK) (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	3A-A9-15 1-3 11/29/04	3A-A9-16 1-3 12/02/04	3A-A9-17 1-3 11/23/04	3A-A9-16 3-5 12/02/04
Semivolatile Organics				
Benzo(a)anthracene	0.75	0.23	**0.18**	**0.24**
Benzo(a)pyrene	0.71	**0.23**	**0.18**	**0.24**
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.00002	0.0000031	0.0000011	0.0000012
Inorganics				
Arsenic	13.0	5.00	5.30	6.60

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.35	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.34	2	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	2.00E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	7.48	20	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

I7-2-36 (BACK)

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TABLE D-30
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-36

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-18 0-1 11/29/04	3A-A9-18 1-3 11/29/04	3A-A9-19 0-1 11/23/04	3A-A9-19 1-3 11/23/04	3A-A9-19 3-5 11/23/04	3A-A9-20 0-1 11/23/04	3A-A9-20 1-3 11/23/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
1,2-Dichlorobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
1,2-Diphenylhydrazine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
1,3,5-Trinitrobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
1,3-Dichlorobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
1,3-Dinitrobenzene	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
1,4-Dichlorobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
1,4-Naphthoquinone	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
1-Naphthylamine	ND(0.90)	ND(0.92)	ND(0.83) J	ND(0.72) J	ND(0.74) J	ND(6.0)	ND(0.80)
2,3,4,6-Tetrachlorophenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2,4,5-Trichlorophenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2,4,6-Trichlorophenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2,4-Dichlorophenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2,4-Dimethylphenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2,4-Dinitrophenol	ND(2.3) J	ND(2.3) J	ND(2.1)	ND(1.8)	ND(1.9)	ND(30)	ND(2.0)
2,4-Dinitrotoluene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2,6-Dichlorophenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2,6-Dinitrotoluene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2-Acetylaminofluorene	ND(0.90)	ND(0.92)	ND(0.83) J	ND(0.72) J	ND(0.74) J	ND(6.0)	ND(0.80)
2-Chloronaphthalene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2-Chlorophenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2-Methylnaphthalene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2-Methylphenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
2-Naphthylamine	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
2-Nitroaniline	ND(2.3) J	ND(2.3) J	ND(2.1)	ND(1.8)	ND(1.9)	ND(30) J	ND(2.0) J
2-Nitrophenol	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
2-Picoline	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
3&4-Methylphenol	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
3,3'-Dichlorobenzidine	ND(0.90)	ND(0.92)	ND(0.83) J	ND(0.72) J	ND(0.74) J	ND(12) J	ND(0.80) J
3,3'-Dimethylbenzidine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40) J
3-Methylcholanthrene	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
3-Nitroaniline	ND(2.3)	ND(2.3)	ND(2.1)	ND(1.8)	ND(1.9)	ND(30) J	ND(2.0) J
4,6-Dinitro-2-methylphenol	ND(0.45) J	ND(0.46) J	ND(0.41) J	ND(0.36) J	ND(0.37) J	ND(6.0) J	ND(0.40) J
4-Aminobiphenyl	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
4-Bromophenyl-phenylether	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
4-Chloro-3-Methylphenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
4-Chloroaniline	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
4-Chlorobenzilate	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
4-Chlorophenyl-phenylether	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
4-Nitroaniline	ND(2.3)	ND(2.3)	ND(2.1)	ND(1.8)	ND(1.9)	ND(6.0)	ND(2.0)
4-Nitrophenol	ND(2.3)	ND(2.3)	ND(2.1)	ND(1.8)	ND(1.9)	ND(30)	ND(2.0)
4-Nitroquinoline-1-oxide	ND(0.90) J	ND(0.92) J	ND(0.83) J	ND(0.72) J	ND(0.74) J	ND(6.0) J	ND(0.80) J
4-Phenylenediamine	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
5-Nitro-o-toluidine	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
7,12-Dimethylbenz(a)anthracene	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80) J
a,a'-Dimethylphenethylamine	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
Acenaphthene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Acenaphthylene	1.4	0.24 J	0.34 J	0.20 J	ND(0.37)	3.7 J	0.23 J
Acetophenone	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Aniline	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Anthracene	0.74	ND(0.46)	0.23 J	ND(0.36)	ND(0.37)	4.2 J	ND(0.40)
Aramite	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
Benzidine	ND(0.90) J	ND(0.92) J	ND(0.83) J	ND(0.72) J	ND(0.74) J	ND(12)	ND(0.80) J
Benzo(a)anthracene	3.4	0.30 J	0.40 J	ND(0.36)	ND(0.37)	15	ND(0.40)
Benzo(a)pyrene	3.5	ND(0.46)	0.51	ND(0.36)	ND(0.37)	14	ND(0.40)
Benzo(b)fluoranthene	1.8	0.27 J	0.49	ND(0.36)	ND(0.37)	13	ND(0.40)
Benzo(g,h,i)perylene	1.4	ND(0.46)	0.26 J	ND(0.36)	ND(0.37)	6.7	ND(0.40)
Benzo(k)fluoranthene	2.2	ND(0.46)	0.38 J	ND(0.36)	ND(0.37)	12	ND(0.40)
Benzyl Alcohol	ND(0.90) J	ND(0.92) J	ND(0.83) J	ND(0.72) J	ND(0.74) J	ND(12) J	ND(0.80) J
bis(2-Chloroethoxy)methane	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
bis(2-Chloroethyl)ether	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
bis(2-Chloroisopropyl)ether	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
bis(2-Ethylhexyl)phthalate	ND(0.44)	ND(0.45)	ND(0.41)	ND(0.36)	ND(0.36)	ND(3.0)	ND(0.40)
Butylbenzylphthalate	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Chrysene	3.0	0.12 J	0.23 J	ND(0.36)	ND(0.37)	17	ND(0.40)
Diallate	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
Dibenzo(a,h)anthracene	0.36 J	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)

TABLE D-30
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-36

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-18 0-1 11/29/04	3A-A9-18 1-3 11/29/04	3A-A9-19 0-1 11/23/04	3A-A9-19 1-3 11/23/04	3A-A9-19 3-5 11/23/04	3A-A9-20 0-1 11/23/04	3A-A9-20 1-3 11/23/04
Semivolatile Organics							
Dibenzofuran	0.11 J	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Diethylphthalate	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Dimethylphthalate	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Di-n-Butylphthalate	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Di-n-Octylphthalate	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Diphenylamine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Ethyl Methanesulfonate	ND(0.45)	ND(0.46)	ND(0.41) J	ND(0.36) J	ND(0.37) J	ND(6.0)	ND(0.40)
Fluoranthene	4.3	0.12 J	0.46	ND(0.36)	ND(0.37)	38	ND(0.40)
Fluorene	0.14 J	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Hexachlorobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Hexachlorobutadiene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Hexachlorocyclopentadiene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Hexachloroethane	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Hexachlorophene	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(12)	ND(0.80)
Hexachloropropene	ND(0.45) J	ND(0.46) J	ND(0.41) J	ND(0.36) J	ND(0.37) J	ND(6.0)	ND(0.40) J
Indeno(1,2,3-cd)pyrene	1.3	ND(0.46)	0.22 J	ND(0.36)	ND(0.37)	6.3	ND(0.40)
Isodrin	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Isophorone	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Isosafrole	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
Methapyrilene	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
Methyl Methanesulfonate	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Naphthalene	0.25 J	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Nitrobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
N-Nitrosodiethylamine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
N-Nitrosodimethylamine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
N-Nitroso-di-n-butylamine	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80) J
N-Nitroso-di-n-propylamine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
N-Nitrosodiphenylamine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
N-Nitrosomethylethylamine	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
N-Nitrosomorpholine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
N-Nitrosopiperidine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
N-Nitrosopyrrolidine	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
o,o,o-Triethylphosphorothioate	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
o-Toluidine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
p-Dimethylaminoazobenzene	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80) J
Pentachlorobenzene	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Pentachloroethane	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Pentachloronitrobenzene	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
Pentachlorophenol	ND(2.3)	ND(2.3)	ND(2.1)	ND(1.8)	ND(1.9)	ND(30)	ND(2.0)
Phenacetin	ND(0.90)	ND(0.92)	ND(0.83)	ND(0.72)	ND(0.74)	ND(6.0)	ND(0.80)
Phenanthrene	1.8	ND(0.46)	0.29 J	ND(0.36)	ND(0.37)	12	ND(0.40)
Phenol	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Pronamide	ND(0.45) J	ND(0.46) J	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Pyrene	5.8	0.19 J	0.39 J	ND(0.36)	ND(0.37)	31	ND(0.40)
Pyridine	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Safrole	ND(0.45) J	ND(0.46) J	ND(0.41) J	ND(0.36) J	ND(0.37) J	ND(6.0) J	ND(0.40) J
Thionazin	ND(0.45)	ND(0.46)	ND(0.41)	ND(0.36)	ND(0.37)	ND(6.0)	ND(0.40)
Furans							
2,3,7,8-TCDF	0.000016 Y	0.0000011 J	0.0000046 Y	ND(0.00000057)	ND(0.00000050)	0.000011 Y	0.0000014 J
TCDFs (total)	0.00038 Q	0.0000058	0.000031	ND(0.00000057)	ND(0.00000050)	0.00010	0.0000074
1,2,3,7,8-PeCDF	0.00014 Q	0.0000013 J	0.0000016 J	ND(0.00000051)	ND(0.00000051)	0.0000079	ND(0.00000054)
2,3,4,7,8-PeCDF	0.000013 Q	0.00000076 J	0.0000025 J	ND(0.00000051)	ND(0.00000051)	0.0000052 J	ND(0.00000054)
PeCDFs (total)	0.00030 Q	0.0000037 JQ	0.000025	ND(0.00000051)	ND(0.00000051)	0.000050 Q	0.0000023 J
1,2,3,4,7,8-HxCDF	0.000030	ND(0.0000012) X	0.0000021 J	ND(0.00000051)	ND(0.00000060)	0.0000055 J	0.00000068 J
1,2,3,6,7,8-HxCDF	ND(0.000010) X	ND(0.00000093)	0.0000013 J	ND(0.00000051)	ND(0.00000052)	ND(0.0000022) X	ND(0.00000054)
1,2,3,7,8,9-HxCDF	ND(0.0000049) Q	ND(0.0000013)	ND(0.0000011)	ND(0.00000051)	ND(0.00000070)	ND(0.0000012)	ND(0.00000054)
2,3,4,6,7,8-HxCDF	0.000013	ND(0.0000011)	0.0000012 J	ND(0.00000051)	ND(0.00000059)	0.0000027 J	ND(0.00000054)
HxCDFs (total)	0.00030 Q	0.0000020 J	0.000013	ND(0.00000051)	ND(0.00000059)	0.000030	0.0000018 J
1,2,3,4,6,7,8-HpCDF	0.00015	0.0000034 J	0.0000048 J	ND(0.00000051)	ND(0.00000051)	0.000018	0.0000019 J
1,2,3,4,7,8,9-HpCDF	0.000012	ND(0.00000069)	ND(0.00000074)	ND(0.00000059)	ND(0.00000060)	0.00000083 J	ND(0.00000054)
HpCDFs (total)	0.00028	0.0000052 J	0.0000076	ND(0.00000052)	ND(0.00000053)	0.000036	0.0000038 J
OCDF	0.00012	0.0000024 J	0.0000075 J	ND(0.0000013)	ND(0.0000013)	0.000063	0.0000057 J

TABLE D-30
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-36

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-18 0-1 11/29/04	3A-A9-18 1-3 11/29/04	3A-A9-19 0-1 11/23/04	3A-A9-19 1-3 11/23/04	3A-A9-19 3-5 11/23/04	3A-A9-20 0-1 11/23/04	3A-A9-20 1-3 11/23/04
Dioxins							
2,3,7,8-TCDD	ND(0.0000014)	ND(0.00000079)	ND(0.00000056)	ND(0.00000069)	ND(0.00000071)	ND(0.00000065)	ND(0.00000050)
TCDDs (total)	0.0000056 Q	ND(0.00000079)	ND(0.00000056)	ND(0.00000069)	ND(0.00000071)	0.0000039	ND(0.00000050)
1,2,3,7,8-PeCDD	0.0000031 JQ	ND(0.00000076)	ND(0.00000067) X	ND(0.00000051)	ND(0.00000062)	ND(0.00000062)	ND(0.00000054)
PeCDDs (total)	0.000017 Q	ND(0.00000076)	0.0000027 J	ND(0.00000082)	ND(0.00000066)	0.0000060 JQ	ND(0.00000095)
1,2,3,4,7,8-HxCDD	ND(0.0000040) X	ND(0.00000082)	ND(0.00000087)	ND(0.00000051)	ND(0.00000098)	ND(0.00000079)	ND(0.00000062)
1,2,3,6,7,8-HxCDD	0.0000060 J	ND(0.00000073)	ND(0.00000077)	ND(0.00000051)	ND(0.00000087)	0.0000011 J	ND(0.00000056)
1,2,3,7,8,9-HxCDD	0.0000050 J	ND(0.00000078)	ND(0.00000083)	ND(0.00000051)	ND(0.00000094)	0.00000078 J	ND(0.00000060)
HxCDDs (total)	0.000052	0.0000010 J	0.0000026 J	ND(0.00000079)	ND(0.00000093)	0.000015	ND(0.00000059)
1,2,3,4,6,7,8-HpCDD	0.000050	0.0000018 J	0.0000059	ND(0.00000088)	ND(0.0000010)	0.000020	0.0000019 J
HpCDDs (total)	0.00010	0.0000032 J	0.000012	ND(0.00000088)	ND(0.0000010)	0.000041	0.0000019 J
OCDD	0.00035	0.0000074 J	0.000040	0.0000048 J	ND(0.0000030)	0.00020	0.000014
Total TEQs (WHO TEFs)	0.000027	0.0000017	0.0000032	0.00000096	0.0000011	0.0000064	0.0000011
Inorganics							
Antimony	7.30	1.50 B	2.10 B	3.70 B	2.60 B	ND(6.0)	ND(6.0)
Arsenic	22.0	9.90	10.0	3.20	3.00	11.0	11.0
Barium	97.0	130	38.0	6.10 B	24.0	150	50.0
Beryllium	0.570	0.750	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Cadmium	0.430 B	0.330 B	ND(0.500)	ND(0.500)	ND(0.500)	0.440 B	0.200 B
Chromium	11.0	11.0	8.50	3.20	3.40	7.80	11.0
Cobalt	6.50	7.40	6.70	1.60 B	4.00 B	5.50	11.0
Copper	36.0	40.0	19.0	1.60 B	7.60	28.0	23.0
Cyanide	0.410	0.320	0.150	ND(0.540)	ND(0.550)	0.280	0.0720 B
Lead	450	980	61.0	3.20	3.60	150	36.0
Mercury	0.260	0.530	0.330	ND(0.110)	ND(0.110)	0.250	0.0790 B
Nickel	14.0	16.0	11.0	3.20 B	7.50	9.80	17.0
Selenium	2.00	1.10	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00) J	ND(1.00) J
Silver	0.150 B	ND(1.00)	0.270 B	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.0)
Sulfide	17.0	11.0	ND(6.20)	69.0	7.10	8.90	ND(6.00)
Thallium	ND(1.30) J	ND(1.40) J	ND(1.20)	ND(1.10)	ND(1.10)	ND(1.40)	ND(1.20)
Tin	180	ND(11.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	19.0	26.0	12.0	4.80 B	4.50 B	11.0	13.0
Zinc	160	260	69.0	2.20 B	16.0	110	67.0

TABLE D-30
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-36

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:
1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)
- J - Estimated Value.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics
- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- J - Estimated Value.

TABLE D-31
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-36 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
Acenaphthylene	3.7	55	No
Anthracene	4.2	14,000	No
Benzo(a)anthracene	15	0.56	**Yes**
Benzo(a)pyrene	14	0.056	**Yes**
Benzo(b)fluoranthene	13	0.56	**Yes**
Benzo(g,h,i)perylene	6.7	55	No
Benzo(k)fluoranthene	12	5.6	**Yes**
Chrysene	17	56	No
Dibenzo(a,h)anthracene	0.36	0.056	**Yes**
Dibenzofuran	0.11	210	No
Fluoranthene	38	2,000	No
Fluorene	0.14	1,800	No
Indeno(1,2,3-cd)pyrene	6.3	0.56	**Yes**
Naphthalene	0.25	55	No
Phenanthrene	12	55	No
Pyrene	31	1,500	No
Inorganics			
Antimony	7.3	30	No
Arsenic	22	0.38	**Yes**
Barium	150	5,200	No
Beryllium	0.75	150	No
Cadmium	0.44	37	No
Chromium	11	210	No
Cobalt	11	3,300	No
Copper	40	2,800	No
Cyanide	0.41	11	No
Lead	980	400	**Yes**
Mercury	0.53	22	No
Nickel	17	1,500	No
Selenium	2	370	No
Silver	0.27	370	No
Sulfide	69	350	No
Tin	180	45,000	No
Vanadium	26	520	No
Zinc	260	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-32
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-36 (BACK) (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-18 0-1 11/29/04	3A-A9-19 0-1 11/23/04	3A-A9-20 0-1 11/23/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	3.4	0.40	15	N/A (See Note 5)	6.27	7	No
Benzo(a)pyrene	3.5	0.51	14	N/A (See Note 5)	6.00	2	**Yes**
Benzo(b)fluoranthene	1.8	0.49	13	N/A (See Note 5)	5.10	7	No
Benzo(k)fluoranthene	2.2	0.38	12	N/A (See Note 5)	4.86	70	No
Dibenzo(a,h)anthracene	0.36	**0.21**	**3.0**	N/A (See Note 5)	1.19	0.7	**Yes**
Indeno(1,2,3-cd)pyrene	1.3	0.22	6.3	N/A (See Note 5)	2.61	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.000027	0.0000032	0.0000064	2.70E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	22.0	10.0	11.0	N/A (See Note 5)	14.33	20	No
Lead	450	61.0	150	N/A (See Note 5)	220.33	300	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-33
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-36 (BACK) (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-18 1-3 11/29/04	3A-A9-19 1-3 11/23/04	3A-A9-20 1-3 11/23/04	3A-A9-19 3-5 11/23/04
Semivolatile Organics				
Benzo(a)anthracene	0.30	**0.18**	**0.20**	**0.19**
Benzo(a)pyrene	**0.23**	**0.18**	**0.20**	**0.19**
Benzo(b)fluoranthene	0.27	**0.18**	**0.20**	**0.19**
Benzo(k)fluoranthene	**0.23**	**0.18**	**0.20**	**0.19**
Dibenzo(a,h)anthracene	**0.23**	**0.18**	**0.20**	**0.19**
Indeno(1,2,3-cd)pyrene	**0.23**	**0.18**	**0.20**	**0.19**
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000017	0.00000096	0.0000011	0.0000011
Inorganics				
Arsenic	9.90	3.20	11.0	3.00
Lead	980	3.20	36.0	3.60

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.22	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.20	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.21	7	No
Benzo(k)fluoranthene	N/A (See Note 5)	0.20	70	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.20	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.20	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	1.70E-06	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	6.78	20	No
Lead	N/A (See Note 5)	255.70	300	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-34
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-36 (BACK) (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-18 0-1 11/29/04	3A-A9-19 0-1 11/23/04	3A-A9-20 0-1 11/23/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	3.4	0.40	***0.198***	N/A (See Note 5)	1.33	7	No
Benzo(a)pyrene	3.5	0.51	***0.198***	N/A (See Note 5)	1.40	2	No
Benzo(b)fluoranthene	1.8	0.49	***0.198***	N/A (See Note 5)	0.83	7	No
Benzo(k)fluoranthene	2.2	0.38	***0.198***	N/A (See Note 5)	0.93	70	No
Dibenzo(a,h)anthracene	0.36	**0.21**	***0.256***	N/A (See Note 5)	0.28	0.7	No
Indeno(1,2,3-cd)pyrene	1.3	0.22	***0.256***	N/A (See Note 5)	0.59	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.000027	0.0000032	0.0000064	2.70E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	22.0	10.0	11.0	N/A (See Note 5)	14.33	20	No
Lead	450	61.0	150	N/A (See Note 5)	220.33	300	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set.

I7-2-44

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TABLE D-35
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-44

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-21 0-1 11/29/04	3A-A9-21 1-3 11/29/04	3A-A9-21 3-5 11/29/04	3A-A9-22 0-1 11/29/04	3A-A9-22 1-3 11/29/04	3A-A9-23 0-1 11/29/04	3A-A9-23 1-3 11/29/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
1,2-Dichlorobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
1,2-Diphenylhydrazine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
1,3,5-Trinitrobenzene	ND(0.40)	ND(0.41)	ND(0.40) J	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
1,3-Dichlorobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
1,3-Dinitrobenzene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
1,4-Dichlorobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
1,4-Naphthoquinone	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
1-Naphthylamine	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
2,3,4,6-Tetrachlorophenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2,4,5-Trichlorophenol	ND(0.40)	ND(0.41)	ND(0.40) J	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2,4,6-Trichlorophenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2,4-Dichlorophenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2,4-Dimethylphenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2,4-Dinitrophenol	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.0) J	ND(2.1) J
2,4-Dinitrotoluene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2,6-Dichlorophenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2,6-Dinitrotoluene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2-Acetylaminofluorene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
2-Chloronaphthalene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2-Chlorophenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2-Methylnaphthalene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2-Methylphenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
2-Naphthylamine	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
2-Nitroaniline	ND(2.1) J	ND(2.1)	ND(2.1)	ND(2.1) J	ND(2.1) J	ND(2.0) J	ND(2.1) J
2-Nitrophenol	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
2-Picoline	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
3&4-Methylphenol	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
3,3'-Dichlorobenzidine	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
3,3'-Dimethylbenzidine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
3-Methylcholanthrene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
3-Nitroaniline	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1)
4,6-Dinitro-2-methylphenol	ND(0.40) J	ND(0.41) J	ND(0.40) J	ND(0.42) J	ND(0.40) J	ND(0.39) J	ND(0.40) J
4-Aminobiphenyl	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
4-Bromophenyl-phenylether	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
4-Chloro-3-Methylphenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
4-Chloroaniline	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
4-Chlorobenzilate	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
4-Chlorophenyl-phenylether	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
4-Nitroaniline	ND(2.1)	ND(2.1)	ND(2.1) J	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1)
4-Nitrophenol	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1)
4-Nitroquinoline-1-oxide	ND(0.81) J	ND(0.83) J	ND(0.81) J	ND(0.84) J	ND(0.81) J	ND(0.79) J	ND(0.81) J
4-Phenylenediamine	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
5-Nitro-o-toluidine	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
7,12-Dimethylbenz(a)anthracene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
a,a'-Dimethylphenethylamine	ND(0.81)	ND(0.83) J	ND(0.81) J	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Acenaphthene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Acenaphthylene	ND(0.40)	ND(0.41)	0.46	0.40 J	0.40 J	0.32 J	0.23 J
Acetophenone	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Aniline	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Anthracene	ND(0.40)	ND(0.41)	0.28 J	0.24 J	0.29 J	0.20 J	ND(0.40)
Aramite	ND(0.81)	ND(0.83) J	ND(0.81) J	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Benzidine	ND(0.81) J	ND(0.83)	ND(0.81) J	ND(0.84) J	ND(0.81) J	ND(0.79) J	ND(0.81) J
Benzo(a)anthracene	ND(0.40)	ND(0.41)	0.64	0.55	1.1	0.38 J	ND(0.40)
Benzo(a)pyrene	ND(0.40)	ND(0.41)	0.56	0.45	0.94	0.48	ND(0.40)
Benzo(b)fluoranthene	ND(0.40)	ND(0.41)	0.48	0.44	0.73	0.37 J	ND(0.40)
Benzo(g,h,i)perylene	ND(0.40)	ND(0.41)	0.21 J	0.29 J	0.64	0.45	ND(0.40)
Benzo(k)fluoranthene	ND(0.40)	ND(0.41)	0.37 J	0.33 J	0.68	0.37 J	ND(0.40)
Benzyl Alcohol	ND(0.81) J	ND(0.83) J	ND(0.81) J	ND(0.84) J	ND(0.81) J	ND(0.79) J	ND(0.81) J
bis(2-Chloroethoxy)methane	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
bis(2-Chloroethyl)ether	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
bis(2-Chloroisopropyl)ether	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
bis(2-Ethylhexyl)phthalate	ND(0.40)	ND(0.41)	ND(0.40) J	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.40)
Butylbenzylphthalate	ND(0.40)	ND(0.41) J	ND(0.40) J	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Chrysene	ND(0.40)	ND(0.41)	0.48	0.48	0.95	0.27 J	ND(0.40)
Diallate	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Dibenzofuran	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Diethylphthalate	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)

TABLE D-35
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-44

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-21 0-1 11/29/04	3A-A9-21 1-3 11/29/04	3A-A9-21 3-5 11/29/04	3A-A9-22 0-1 11/29/04	3A-A9-22 1-3 11/29/04	3A-A9-23 0-1 11/29/04	3A-A9-23 1-3 11/29/04
Semivolatile Organics (continued)							
Dimethylphthalate	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Di-n-Butylphthalate	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Di-n-Octylphthalate	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Diphenylamine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Ethyl Methanesulfonate	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Fluoranthene	ND(0.40)	ND(0.41)	0.68	0.50	1.4	0.31 J	ND(0.40)
Fluorene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Hexachlorobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Hexachlorobutadiene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Hexachlorocyclopentadiene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Hexachloroethane	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Hexachlorophene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Hexachloropropene	ND(0.40) J	ND(0.41)	ND(0.40)	ND(0.42) J	ND(0.40) J	ND(0.39) J	ND(0.40) J
Indeno(1,2,3-cd)pyrene	ND(0.40)	ND(0.41)	0.25 J	0.25 J	0.48	0.38 J	ND(0.40)
Isodrin	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Isophorone	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Isosafrole	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Methapyrilene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Methyl Methanesulfonate	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Naphthalene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Nitrobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
N-Nitrosodiethylamine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
N-Nitrosodimethylamine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
N-Nitroso-di-n-butylamine	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
N-Nitroso-di-n-propylamine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
N-Nitrosodiphenylamine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
N-Nitrosomethylethylamine	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
N-Nitrosomorpholine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
N-Nitrosopiperidine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
N-Nitrosopyrrolidine	ND(0.81)	ND(0.83) J	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
o,o,o-Triethylphosphorothioate	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
o-Toluidine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
p-Dimethylaminoazobenzene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Pentachlorobenzene	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Pentachloroethane	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Pentachloronitrobenzene	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Pentachlorophenol	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1)
Phenacetin	ND(0.81)	ND(0.83)	ND(0.81)	ND(0.84)	ND(0.81)	ND(0.79)	ND(0.81)
Phenanthrene	ND(0.40)	ND(0.41)	0.21 J	0.17 J	0.36 J	0.12 J	ND(0.40)
Phenol	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Pronamide	ND(0.40) J	ND(0.41)	ND(0.40) J	ND(0.42) J	ND(0.40) J	ND(0.39) J	ND(0.40) J
Pyrene	ND(0.40)	ND(0.41)	1.0 J	0.76	1.8	0.52	0.090 J
Pyridine	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Safrole	ND(0.40) J	ND(0.41) J	ND(0.40) J	ND(0.42) J	ND(0.40) J	ND(0.39) J	ND(0.40) J
Thionazin	ND(0.40)	ND(0.41)	ND(0.40)	ND(0.42)	ND(0.40)	ND(0.39)	ND(0.40)
Furans							
2,3,7,8-TCDF	ND(0.00000063)	ND(0.00000062)	0.000012 Y	0.000013 Y	0.0000019 J	0.0000084 Y	ND(0.00000064)
TCDFs (total)	ND(0.00000063)	ND(0.00000062)	0.00010 QI	0.00031 I	0.0000059 Q	0.00016	ND(0.00000064)
1,2,3,7,8-PeCDF	ND(0.00000058)	ND(0.00000060)	0.000010	0.00028	ND(0.0000010)	0.000059	ND(0.00000059)
2,3,4,7,8-PeCDF	ND(0.00000058)	ND(0.00000060)	0.000012	0.000012	0.0000023 J	0.000012	ND(0.00000059)
PeCDFs (total)	ND(0.00000058)	ND(0.00000060)	0.00011 QI	0.00063 Q	0.000025	0.00023 Q	0.0000014 J
1,2,3,4,7,8-HxCDF	ND(0.00000058)	ND(0.00000061)	0.000022	0.00013	ND(0.0000016) X	0.000032	ND(0.00000059)
1,2,3,6,7,8-HxCDF	ND(0.00000058)	ND(0.00000060)	0.0000074	0.0000078	0.0000010 J	0.0000055	ND(0.00000059)
1,2,3,7,8,9-HxCDF	ND(0.00000062)	ND(0.00000071)	ND(0.0000029) X	0.0000041 JQ	ND(0.0000012) Q	0.0000026 J	ND(0.00000060)
2,3,4,6,7,8-HxCDF	ND(0.00000058)	ND(0.00000060)	0.0000065	0.000010	0.0000015 J	0.000012	ND(0.00000059)
HxCDFs (total)	ND(0.00000058)	ND(0.00000060)	0.00014	0.00035 Q	0.000013 Q	0.00021	0.0000017 J
1,2,3,4,6,7,8-HpCDF	ND(0.00000058)	ND(0.00000060)	0.000039	0.000069	0.0000060	0.000053	0.0000011 J
1,2,3,4,7,8,9-HpCDF	ND(0.00000061)	ND(0.00000066)	0.0000054 J	0.0000074	ND(0.00000067) X	0.0000047 J	ND(0.00000059)
HpCDFs (total)	ND(0.00000058)	ND(0.00000060)	0.000080	0.00014	0.0000067	0.00010	0.0000018 J
OCDF	ND(0.0000018)	ND(0.0000013)	0.000052	0.000073	0.0000093 J	0.000034	ND(0.0000015)

TABLE D-35
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-44

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-21 0-1 11/29/04	3A-A9-21 1-3 11/29/04	3A-A9-21 3-5 11/29/04	3A-A9-22 0-1 11/29/04	3A-A9-22 1-3 11/29/04	3A-A9-23 0-1 11/29/04	3A-A9-23 1-3 11/29/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000064)	ND(0.00000076)	ND(0.00000072)	ND(0.00000056)	ND(0.00000065)	ND(0.00000063)	ND(0.00000067)
TCDDs (total)	ND(0.00000064)	ND(0.00000076)	ND(0.00000072)	0.0000050	ND(0.00000065)	0.0000012 J	ND(0.00000067)
1,2,3,7,8-PeCDD	ND(0.00000069)	ND(0.00000069)	ND(0.0000017) X	0.0000024 J	ND(0.00000084)	ND(0.0000019) X	ND(0.00000065)
PeCDDs (total)	ND(0.00000094)	ND(0.00000096)	0.0000032 JQ	0.000014 Q	0.0000015 JQ	0.000012 Q	ND(0.00000096)
1,2,3,4,7,8-HxCDD	ND(0.00000083)	ND(0.00000076)	0.0000014 J	0.0000030 J	ND(0.0000013)	0.0000016 J	ND(0.00000068)
1,2,3,6,7,8-HxCDD	ND(0.00000074)	ND(0.00000068)	ND(0.0000026) X	0.0000047 J	ND(0.0000011)	0.0000026 J	ND(0.00000060)
1,2,3,7,8,9-HxCDD	ND(0.00000080)	ND(0.00000073)	ND(0.0000018) X	0.0000034 J	ND(0.0000012)	0.0000020 J	ND(0.00000065)
HxCDDs (total)	ND(0.00000091)	ND(0.0000011)	0.000015	0.000055	0.0000040 J	0.000024	ND(0.0000012)
1,2,3,4,6,7,8-HpCDD	ND(0.0000011)	ND(0.0000011)	0.000020	0.000064	0.000011	0.000022	0.0000012 J
HpCDDs (total)	ND(0.0000011)	ND(0.0000011)	0.000038	0.00012	0.000021	0.000044	0.0000012 J
OCDD	ND(0.0000032)	0.0000030 J	0.00015	0.00053	0.00010	0.00014	0.0000064 J
Total TEQs (WHO TEFs)	0.0000011	0.0000012	0.000014	0.000042	0.0000029	0.000018	0.0000011
Inorganics							
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	1.20 B	ND(6.00)	ND(6.00)
Arsenic	3.00	4.20	3.70	10.0	11.0	8.70	7.80
Barium	24.0	31.0	23.0	46.0	92.0	44.0	28.0
Beryllium	0.360 B	0.340 B	0.280 B	0.390 B	0.320 B	0.320 B	0.390 B
Cadmium	ND(0.500)	0.160 B	0.130 B	0.330 B	0.220 B	0.220 B	0.100 B
Chromium	8.80	10.0	8.60	12.0	11.0	9.40	10.0
Cobalt	7.40	9.70	7.50	10.0	8.40	8.70	11.0
Copper	9.80	12.0	9.20	26.0	51.0	24.0	19.0
Cyanide	ND(0.120)	ND(0.120)	0.120 B	0.120 B	0.100 B	0.120 B	0.110 B
Lead	7.70	6.00	5.50	62.0	110	91.0	50.0
Mercury	0.0110 B	ND(0.120)	0.180	1.00	0.360	0.290	0.0660 B
Nickel	13.0	18.0	13.0	18.0	15.0	15.0	21.0
Selenium	0.880 J	1.50 J	1.00 J	1.50	1.20 J	1.70 J	1.90 J
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	ND(6.10)	ND(6.20)	5.80 B	1300	280	89.0	ND(6.10)
Thallium	ND(1.20) J	ND(1.20) J	ND(1.20) J	ND(1.20) J	ND(1.20) J	ND(1.20) J	ND(1.20) J
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	9.30	9.90	8.20	14.0	14.0	11.0	11.0
Zinc	46.0	53.0	42.0	90.0	190	85.0	76.0

TABLE D-35
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-44

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)

I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Estimated Value.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Estimated Value.

TABLE D-36
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-44

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
1,2,4-Trichlorobenzene	0.049	480	No
1,4-Dichlorobenzene	0.067	3	No
2-Methylnaphthalene	0.063	55	No
Acenaphthene	0.09	2,600	No
Acenaphthylene	0.46	55	No
Anthracene	0.29	14,000	No
Benzo(a)anthracene	1.1	0.56	**Yes**
Benzo(a)pyrene	0.94	0.056	**Yes**
Benzo(b)fluoranthene	0.73	0.56	**Yes**
Benzo(g,h,i)perylene	0.64	55	No
Benzo(k)fluoranthene	0.72	5.6	No
Butylbenzylphthalate	0.66	930	No
Chrysene	0.95	56	No
Dibenzo(a,h)anthracene	0.15	0.056	**Yes**
Dibenzofuran	0.061	210	No
Fluoranthene	1.6	2,000	No
Fluorene	0.12	1,800	No
Indeno(1,2,3-cd)pyrene	0.56	0.56	No
Naphthalene	0.14	55	No
Pentachlorobenzene	0.036	44	No
Phenanthrene	1	55	No
Pyrene	1.8	1,500	No
Inorganics			
Antimony	1.2	30	No
Arsenic	11	0.38	**Yes**
Barium	92	5,200	No
Beryllium	0.39	150	No
Cadmium	0.33	37	No
Chromium	13.5	210	No
Cobalt	11	3,300	No
Copper	51	2,800	No
Cyanide	0.12	11	No
Lead	110	400	No
Mercury	1	22	No
Nickel	21	1,500	No
Selenium	1.9	370	No
Silver	0.18	370	No
Sulfide	1,300	350	**Yes**
Thallium	0.87	6	No
Tin	2.4	45,000	No
Vanadium	14	520	No
Zinc	190	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-37
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-44 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-21 0-1 11/29/04	3A-A9-22 0-1 11/29/04	3A-A9-23 0-1 11/29/04	Maximum Sample Result
Semivolatile Organics				
Benzo(a)anthracene	**0.20**	0.55	0.38	N/A (See Note 5)
Benzo(a)pyrene	**0.20**	0.45	0.48	N/A (See Note 5)
Benzo(b)fluoranthene	**0.20**	0.44	0.37	N/A (See Note 5)
Dibenzo(a,h)anthracene	**0.20**	**0.21**	**0.20**	N/A (See Note 5)
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000011	0.000042	0.000018	4.20E-05
Inorganics				
Arsenic	3.00	10.0	8.70	N/A (See Note 5)
Sulfide	**3.05**	1300	89.0	N/A (See Note 5)

Parameter	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics			
Benzo(a)anthracene	0.38	7	No
Benzo(a)pyrene	0.38	2	No
Benzo(b)fluoranthene	0.34	7	No
Dibenzo(a,h)anthracene	0.20	0.7	No
Dioxins/Furans			
Total TEQs (WHO TEFs)	N/A (See Note 5)	1.00E-03	No
Inorganics			
Arsenic	7.23	20	No
Sulfide	464.02	633*	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

TABLE D-38
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-44 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-21 1-3 11/29/04	3A-A9-22 1-3 11/29/04	3A-A9-23 1-3 11/29/04	3A-A9-21 3-5 11/29/04
Semivolatile Organics				
Benzo(a)anthracene	**0.21**	1.1	**0.20**	0.64
Benzo(a)pyrene	**0.21**	0.94	**0.20**	0.56
Benzo(b)fluoranthene	**0.21**	0.73	**0.20**	0.48
Dibenzo(a,h)anthracene	**0.21**	**0.20**	**0.20**	**0.20**
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000012	0.0000029	0.0000011	0.000014
Inorganics				
Arsenic	4.20	11.0	7.80	3.70
Sulfide	**3.10**	280	**3.05**	5.80

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.54	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.48	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.41	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.20	0.7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	1.40E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	6.68	20	No
Sulfide	N/A (See Note 5)	72.99	633*	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

17-2-45

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TABLE D-39
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-45

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-24 0-1 11/23/04	3A-A9-24 1-3 11/23/04	3A-A9-25 0-1 11/23/04	3A-A9-25 1-3 11/23/04	3A-A9-25 3-5 11/23/04	3A-A9-26 0-1 11/23/04	3A-A9-26 1-3 11/23/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
1,2-Dichlorobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
1,2-Diphenylhydrazine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
1,3-Dichlorobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
1,3-Dinitrobenzene	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
1,4-Dichlorobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
1,4-Naphthoquinone	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
1-Naphthylamine	ND(0.78)	ND(0.79)	ND(0.79) J	ND(0.83) J	ND(0.82) J	ND(0.79)	ND(0.87)
2,3,4,6-Tetrachlorophenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2,4,5-Trichlorophenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2,4,6-Trichlorophenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2,4-Dichlorophenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2,4-Dimethylphenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2,4-Dinitrophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)
2,4-Dinitrotoluene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2,6-Dichlorophenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2,6-Dinitrotoluene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2-Acetylaminofluorene	ND(0.78)	ND(0.79)	ND(0.79) J	ND(0.83) J	ND(0.82) J	ND(0.79)	ND(0.87)
2-Chloronaphthalene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2-Chlorophenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2-Methylnaphthalene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	0.10 J
2-Methylphenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
2-Naphthylamine	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
2-Nitroaniline	ND(2.0) J	ND(2.0) J	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0) J	ND(2.2) J
2-Nitrophenol	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
2-Picoline	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
3&4-Methylphenol	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
3,3'-Dichlorobenzidine	ND(0.78) J	ND(0.79) J	ND(0.79) J	ND(0.83) J	ND(0.82) J	ND(0.79) J	ND(0.87) J
3,3'-Dimethylbenzidine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
3-Methylcholanthrene	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
3-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)
4,6-Dinitro-2-methylphenol	ND(0.39) J	ND(0.39) J	ND(0.39) J	ND(0.41) J	ND(0.40) J	ND(0.39) J	ND(0.43) J
4-Aminobiphenyl	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
4-Bromophenyl-phenylether	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
4-Chloro-3-Methylphenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
4-Chloroaniline	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
4-Chlorobenzilate	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
4-Chlorophenyl-phenylether	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
4-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)
4-Nitrophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)
4-Nitroquinoline-1-oxide	ND(0.78) J	ND(0.79) J	ND(0.79) J	ND(0.83) J	ND(0.82) J	ND(0.79) J	ND(0.87) J
4-Phenylenediamine	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
5-Nitro-o-toluidine	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
7,12-Dimethylbenz(a)anthracene	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
a,a'-Dimethylphenethylamine	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Acenaphthene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Acenaphthylene	ND(0.39)	0.25 J	0.91	0.23 J	ND(0.40)	ND(0.39)	0.54
Acetophenone	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Aniline	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Anthracene	0.20 J	0.25 J	0.43	ND(0.41)	ND(0.40)	ND(0.39)	0.33 J
Aramite	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Benzidine	ND(0.78) J	ND(0.79) J	ND(0.79) J	ND(0.83) J	ND(0.82) J	ND(0.79) J	ND(0.87) J
Benzo(a)anthracene	0.28 J	0.69	2.3	0.24 J	ND(0.40)	0.23 J	0.89
Benzo(a)pyrene	ND(0.39)	0.62	1.9	ND(0.41)	ND(0.40)	ND(0.39)	0.73
Benzo(b)fluoranthene	ND(0.39)	0.59	1.6	ND(0.41)	ND(0.40)	ND(0.39)	0.60
Benzo(g,h,i)perylene	ND(0.39)	0.39 J	0.98	ND(0.41)	ND(0.40)	ND(0.39)	0.45
Benzo(k)fluoranthene	ND(0.39)	0.47	1.6	ND(0.41)	ND(0.40)	ND(0.39)	0.52
Benzyl Alcohol	ND(0.78) J	ND(0.79) J	ND(0.79) J	ND(0.83) J	ND(0.82) J	ND(0.79) J	ND(0.87) J
bis(2-Chloroethoxy)methane	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
bis(2-Chloroethyl)ether	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
bis(2-Chloroisopropyl)ether	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.39)	ND(0.39)	0.59	0.75	ND(0.39)	ND(0.43)
Butylbenzylphthalate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Chrysene	0.14 J	0.64	2.3	0.084 J	ND(0.40)	ND(0.39)	0.77
Diallate	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Dibenzo(a,h)anthracene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)

TABLE D-39
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-45

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-24 0-1 11/23/04	3A-A9-24 1-3 11/23/04	3A-A9-25 0-1 11/23/04	3A-A9-25 1-3 11/23/04	3A-A9-25 3-5 11/23/04	3A-A9-26 0-1 11/23/04	3A-A9-26 1-3 11/23/04
Semivolatile Organics (continued)							
Dibenzofuran	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Diethylphthalate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Dimethylphthalate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Di-n-Butylphthalate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Di-n-Octylphthalate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Diphenylamine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Ethyl Methanesulfonate	ND(0.39)	ND(0.39)	ND(0.39) J	ND(0.41) J	ND(0.40) J	ND(0.39)	ND(0.43)
Fluoranthene	0.13 J	1.2	ND(0.39)	0.089 J	ND(0.40)	ND(0.39)	1.3
Fluorene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Hexachlorobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Hexachlorobutadiene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Hexachlorocyclopentadiene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Hexachloroethane	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Hexachlorophene	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Hexachloropropene	ND(0.39)	ND(0.39)	ND(0.39) J	ND(0.41) J	ND(0.40) J	ND(0.39)	ND(0.43)
Indeno(1,2,3-cd)pyrene	ND(0.39)	0.29 J	1.0	ND(0.41)	ND(0.40)	ND(0.39)	0.34 J
Isodrin	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Isophorone	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Isosafrole	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Methapyrilene	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Methyl Methanesulfonate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Naphthalene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Nitrobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
N-Nitrosodiethylamine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
N-Nitrosodimethylamine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
N-Nitroso-di-n-butylamine	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
N-Nitrosodiphenylamine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
N-Nitrosomethylethylamine	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
N-Nitrosomorpholine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
N-Nitrosopiperidine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
N-Nitrosopyrrolidine	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
o,o,o-Triethylphosphorothioate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
o-Toluidine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
p-Dimethylaminoazobenzene	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Pentachlorobenzene	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Pentachloroethane	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Pentachloronitrobenzene	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Pentachlorophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)
Phenacetin	ND(0.78)	ND(0.79)	ND(0.79)	ND(0.83)	ND(0.82)	ND(0.79)	ND(0.87)
Phenanthrene	ND(0.39)	0.45	0.57	ND(0.41)	ND(0.40)	ND(0.39)	0.49
Phenol	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Pronamide	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Pyrene	0.22 J	1.3	3.7	0.094 J	ND(0.40)	0.079 J	1.5
Pyridine	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Safrole	ND(0.39) J	ND(0.39) J	ND(0.39) J	ND(0.41) J	ND(0.40) J	ND(0.39) J	ND(0.43) J
Thionazin	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.41)	ND(0.40)	ND(0.39)	ND(0.43)
Furans							
2,3,7,8-TCDF	0.0000059 Y	ND(0.0000014)	0.0000032 Y	0.0000012 J	ND(0.00000050)	0.000013 Y	0.00000082 J
TCDFs (total)	0.000077	0.0000014 J	0.000029 Q	0.0000084	ND(0.00000050)	0.00013 Q	0.00000082 J
1,2,3,7,8-PeCDF	0.000041	0.0000018 J	0.0000019 J	0.0000016 J	ND(0.00000056)	0.000023	0.00000083 J
2,3,4,7,8-PeCDF	0.0000040 J	0.00000091 J	0.0000030 J	0.0000020 J	ND(0.00000056)	0.0000078	ND(0.00000060)
PeCDFs (total)	0.00015 Q	0.000015	0.000029 Q	0.000018	ND(0.00000056)	0.00011 Q	0.00000083 J
1,2,3,4,7,8-HxCDF	0.000022	ND(0.0000022) X	0.0000037 J	0.0000022 J	ND(0.00000056)	0.000015	ND(0.00000090)
1,2,3,6,7,8-HxCDF	0.0000020 J	0.00000083 J	ND(0.0000016) X	0.0000016 J	ND(0.00000056)	0.0000023 J	ND(0.00000077)
1,2,3,7,8,9-HxCDF	ND(0.0000014) Q	ND(0.00000085)	ND(0.00000097)	ND(0.0000011)	ND(0.00000056)	ND(0.0000014) Q	ND(0.0000010)
2,3,4,6,7,8-HxCDF	0.0000029 J	0.00000072 J	0.0000027 J	ND(0.0000018) X	ND(0.00000056)	0.0000038 J	ND(0.00000088)
HxCDFs (total)	0.000066 Q	0.0000059	0.000040	0.0000094	ND(0.00000056)	0.000058 Q	ND(0.00000089)
1,2,3,4,6,7,8-HpCDF	0.000014	0.0000027 J	0.000011	0.0000064	ND(0.00000056)	0.0000094	0.0000016 J
1,2,3,4,7,8,9-HpCDF	0.0000013 J	ND(0.00000080)	ND(0.00000095) X	ND(0.00000076)	ND(0.00000069)	0.00000060 J	ND(0.00000060)
HpCDFs (total)	0.000025	0.0000027 J	0.000020	0.0000064	ND(0.00000061)	0.000016	0.0000028 J
OCDF	0.000011 J	0.0000017 J	0.0000084 J	ND(0.0000031) X	ND(0.0000020)	0.000011 J	0.0000026 J

TABLE D-39
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-45

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3A-A9-24 0-1 11/23/04	3A-A9-24 1-3 11/23/04	3A-A9-25 0-1 11/23/04	3A-A9-25 1-3 11/23/04	3A-A9-25 3-5 11/23/04	3A-A9-26 0-1 11/23/04	3A-A9-26 1-3 11/23/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000066)	ND(0.00000071)	ND(0.00000088)	ND(0.00000068)	ND(0.00000066)	ND(0.00000067)	ND(0.00000066)
TCDDs (total)	ND(0.00000066)	ND(0.00000071)	ND(0.00000088)	ND(0.00000068)	ND(0.00000066)	0.00000092 J	ND(0.00000066)
1,2,3,7,8-PeCDD	ND(0.00000076) X	ND(0.00000056)	ND(0.00000068) X	ND(0.00000077)	ND(0.00000056)	ND(0.00000093) X	ND(0.00000060)
PeCDDs (total)	0.0000022 JQ	ND(0.00000056)	0.0000030 JQ	ND(0.00000077)	ND(0.00000097)	0.0000020 JQ	ND(0.0000011)
1,2,3,4,7,8-HxCDD	ND(0.0000014)	ND(0.00000074)	ND(0.00000078)	ND(0.00000098)	ND(0.00000067)	ND(0.00000089)	ND(0.0000010)
1,2,3,6,7,8-HxCDD	ND(0.0000013)	ND(0.00000066)	ND(0.00000085) X	ND(0.00000087)	ND(0.00000059)	ND(0.00000079)	ND(0.00000092)
1,2,3,7,8,9-HxCDD	ND(0.0000014)	ND(0.00000071)	ND(0.00000075)	ND(0.00000094)	ND(0.00000064)	ND(0.0000012) X	ND(0.0000010)
HxCDDs (total)	0.000010	0.00000087 J	0.0000082	0.0000035 J	ND(0.00000081)	0.0000093	ND(0.00000098)
1,2,3,4,6,7,8-HpCDD	0.0000099	0.0000019 J	0.0000079	0.0000032 J	ND(0.00000090)	0.000010	0.0000026 J
HpCDDs (total)	0.000020	0.0000019 J	0.000016	0.0000032 J	ND(0.00000090)	0.000020	0.0000036 J
OCDD	0.000060	0.0000078 J	0.000052	0.0000088 J	0.0000051 J	0.000062	0.000011 J
Total TEQs (WHO TEFs)	0.0000086	0.0000017	0.0000038	0.0000027	0.0000010	0.0000097	0.0000013
Inorganics							
Antimony	ND(6.0)	ND(6.0)	1.60 B	2.00 B	1.40 B	ND(6.0)	ND(6.0)
Arsenic	6.90	6.80	6.70	6.30	6.00	8.20	7.20
Barium	47.0	53.0	50.0	48.0	22.0	40.0	37.0
Beryllium	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Cadmium	0.460 B	0.190 B	0.430 B	0.200 B	ND(0.500)	0.290 B	ND(0.500)
Chromium	12.0	5.90	6.50	10.0	7.80	7.40	8.80
Cobalt	7.10	7.40	6.60	8.80	6.50	7.20	9.00
Copper	24.0	17.0	27.0	17.0	8.90	22.0	14.0
Cyanide	ND(1.20)	0.0850 B	0.360	1.00	0.150	0.190	0.200
Lead	85.0	67.0	160	130	10.0	91.0	37.0
Mercury	0.170	0.0490 B	0.190	0.350	0.0540 B	0.210	0.200
Nickel	13.0	13.0	11.0	13.0	10.0	12.0	13.0
Selenium	ND(1.00) J	ND(1.00) J	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00) J	ND(1.00) J
Silver	ND(1.00)	ND(1.0)	0.280 B	0.250 B	ND(1.00)	ND(1.0)	ND(1.00)
Sulfide	540	38.0	9.50	9.90	5.80 B	360	6.20 B
Thallium	ND(1.20)	ND(1.20)	ND(1.20)	ND(1.20)	ND(1.20)	ND(1.20)	ND(1.30)
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	7.90	9.70	9.10	12.0	8.10	9.30	11.0
Zinc	81.0	58.0	110	270	33.0	83.0	60.0

TABLE D-39
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-2-45

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)

J - Estimated Value.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Estimated Value.

TABLE D-40
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-2-45

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
2-Methylnaphthalene	0.1	55	No
Acenaphthylene	0.91	55	No
Anthracene	0.43	14,000	No
Benzo(a)anthracene	2.3	0.56	**Yes**
Benzo(a)pyrene	1.9	0.056	**Yes**
Benzo(b)fluoranthene	1.6	0.56	**Yes**
Benzo(g,h,i)perylene	0.98	55	No
Benzo(k)fluoranthene	1.6	5.6	No
bis(2-Ethylhexyl)phthalate	0.75	32	No
Chrysene	2.3	56	No
Fluoranthene	1.3	2,000	No
Indeno(1,2,3-cd)pyrene	1	0.56	**Yes**
Phenanthrene	0.57	55	No
Pyrene	3.7	1,500	No
Inorganics			
Antimony	2.0	30	No
Arsenic	8.2	0.38	**Yes**
Barium	53	5,200	No
Cadmium	0.46	37	No
Chromium	12	210	No
Cobalt	9	3,300	No
Copper	27	2,800	No
Cyanide	1	11	No
Lead	160	400	No
Mercury	0.35	22	No
Nickel	13	1,500	No
Silver	0.28	370	No
Sulfide	540	350	**Yes**
Vanadium	12	520	No
Zinc	270	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-41
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-45 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-24 0-1 11/23/04	3A-A9-25 0-1 11/23/04	3A-A9-26 0-1 11/23/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	0.28	2.3	0.23	N/A (See Note 5)	0.94	7	No
Benzo(a)pyrene	**0.20**	1.9	**0.20**	N/A (See Note 5)	0.77	2	No
Benzo(b)fluoranthene	**0.20**	1.6	**0.20**	N/A (See Note 5)	0.67	7	No
Indeno(1,2,3-cd)pyrene	**0.20**	1.0	**0.20**	N/A (See Note 5)	0.47	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.0000086	0.0000038	0.0000097	9.70E-06	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	6.90	6.70	8.20	N/A (See Note 5)	7.27	20	No
Sulfide	540	9.50	360	N/A (See Note 5)	303.17	633*	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

TABLE D-42
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-2-45 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3A-A9-24 1-3 11/23/04	3A-A9-25 1-3 11/23/04	3A-A9-26 1-3 11/23/04	3A-A9-25 3-5 11/23/04
Semivolatile Organics				
Benzo(a)anthracene	0.69	0.24	0.89	**0.20**
Benzo(a)pyrene	0.62	**0.21**	0.73	**0.20**
Benzo(b)fluoranthene	0.59	**0.21**	0.60	**0.20**
Indeno(1,2,3-cd)pyrene	0.29	**0.21**	0.34	**0.20**
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000017	0.0000027	0.0000013	0.000001
Inorganics				
Arsenic	6.80	6.30	7.20	6.00
Sulfide	38.0	9.90	6.20	5.80

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.51	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.44	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.40	7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.26	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	2.70E-06	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	6.58	20	No
Sulfide	N/A (See Note 5)	14.98	633*	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

Group 3B Properties

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I7-3-5

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TABLE D-43
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-5

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3B-A9-4 0-1 11/18/04	3B-A9-4 1-3 11/18/04	3B-A9-4 3-5 11/18/04	3B-A9-5 0-1 11/16/04	3B-A9-5 1-3 11/16/04	3B-A9-6 0-1 11/16/04	3B-A9-6 1-3 11/16/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
1,2-Dichlorobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
1,2-Diphenylhydrazine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
1,3,5-Trinitrobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
1,3-Dichlorobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
1,3-Dinitrobenzene	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
1,4-Dichlorobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
1,4-Naphthoquinone	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
1-Naphthylamine	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86) J	ND(0.92) J	ND(0.76) J	ND(0.73) J
2,3,4,6-Tetrachlorophenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2,4,5-Trichlorophenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2,4,6-Trichlorophenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2,4-Dichlorophenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2,4-Dimethylphenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2,4-Dinitrophenol	ND(2.1)	ND(2.0)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(1.8)
2,4-Dinitrotoluene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2,6-Dichlorophenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2,6-Dinitrotoluene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2-Acetylaminofluorene	ND(0.81) J	ND(0.79) J	ND(0.91) J	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
2-Chloronaphthalene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2-Chlorophenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2-Methylnaphthalene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2-Methylphenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
2-Naphthylamine	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
2-Nitroaniline	ND(2.1)	ND(2.0)	ND(2.3)	ND(2.2) J	ND(2.3) J	ND(1.9) J	ND(1.8) J
2-Nitrophenol	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
2-Picoline	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
3&4-Methylphenol	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
3,3'-Dichlorobenzidine	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
3,3'-Dimethylbenzidine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
3-Methylcholanthrene	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
3-Nitroaniline	ND(2.1)	ND(2.0)	ND(2.3)	ND(2.2) J	ND(2.3) J	ND(1.9) J	ND(1.8) J
4,6-Dinitro-2-methylphenol	ND(0.40) J	ND(0.39) J	ND(0.45) J	ND(0.43) J	ND(0.46) J	ND(0.38) J	ND(0.36) J
4-Aminobiphenyl	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
4-Bromophenyl-phenylether	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
4-Chloro-3-Methylphenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
4-Chloroaniline	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
4-Chlorobenzilate	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
4-Chlorophenyl-phenylether	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
4-Nitroaniline	ND(2.1)	ND(2.0)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(1.8)
4-Nitrophenol	ND(2.1)	ND(2.0)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(1.8)
4-Nitroquinoline-1-oxide	ND(0.81) J	ND(0.79) J	ND(0.91) J	ND(0.86) J	ND(0.92) J	ND(0.76) J	ND(0.73) J
4-Phenylenediamine	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
5-Nitro-o-toluidine	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
7,12-Dimethylbenz(a)anthracene	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
a,a'-Dimethylphenethylamine	ND(0.81) J	ND(0.79) J	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Acenaphthene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Acenaphthylene	1.0	0.60	ND(0.45)	0.24 J	0.26 J	0.27 J	0.26 J
Acetophenone	ND(0.40) J	ND(0.39) J	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Aniline	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Anthracene	0.44	0.39	0.26 J	0.20 J	ND(0.46)	0.20 J	0.21 J
Aramite	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Benzidine	ND(0.81)	ND(0.79)	ND(0.91) J	ND(0.86) J	ND(0.92) J	ND(0.76) J	ND(0.73) J
Benzo(a)anthracene	1.1	0.95	0.41 J	ND(0.43)	0.28 J	0.30 J	0.45
Benzo(a)pyrene	1.1	0.87	0.23 J	ND(0.43)	ND(0.46)	0.20 J	0.27 J
Benzo(b)fluoranthene	0.72	0.62	0.35 J	0.23 J	ND(0.46)	0.34 J	0.33 J
Benzo(g,h,i)perylene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	0.14 J	0.16 J
Benzo(k)fluoranthene	0.75	0.58	0.19 J	ND(0.43)	ND(0.46)	0.13 J	0.28 J
Benzyl Alcohol	ND(0.81) J	ND(0.79) J	ND(0.91) J	ND(0.86) J	ND(0.92) J	ND(0.76) J	ND(0.73) J
bis(2-Chloroethoxy)methane	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
bis(2-Chloroethyl)ether	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
bis(2-Chloroisopropyl)ether	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.40)	ND(0.39)	2.3	ND(0.42)	0.65	ND(0.38)	ND(0.36)
Butylbenzylphthalate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Chrysene	1.1	0.96	0.25 J	ND(0.43)	0.12 J	0.19 J	0.31 J
Diallate	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)

TABLE D-43
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-5

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID:	3B-A9-4	3B-A9-4	3B-A9-4	3B-A9-5	3B-A9-5	3B-A9-6	3B-A9-6
Sample Depth(Feet):	0-1	1-3	3-5	0-1	1-3	0-1	1-3
Date Collected:	11/18/04	11/18/04	11/18/04	11/16/04	11/16/04	11/16/04	11/16/04
Semivolatile Organics (continued)							
Dibenzofuran	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Diethylphthalate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Dimethylphthalate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Di-n-Butylphthalate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Di-n-Octylphthalate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Diphenylamine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Ethyl Methanesulfonate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Fluoranthene	1.5	1.5	0.22 J	0.16 J	0.099 J	0.28 J	0.56
Fluorene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Hexachlorobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43) J	ND(0.46) J	ND(0.38) J	ND(0.36) J
Hexachlorobutadiene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Hexachloroethane	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Hexachlorophene	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Hexachloropropene	ND(0.40)	ND(0.39)	ND(0.45) J	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Indeno(1,2,3-cd)pyrene	0.43	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Isodrin	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Isophorone	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Isosafrole	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Methapyrilene	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Methyl Methanesulfonate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Naphthalene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Nitrobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
N-Nitrosodiethylamine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
N-Nitrosodimethylamine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
N-Nitroso-di-n-butylamine	ND(0.81) J	ND(0.79) J	ND(0.91) J	ND(0.86) J	ND(0.92) J	ND(0.76) J	ND(0.73) J
N-Nitroso-di-n-propylamine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
N-Nitrosodiphenylamine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
N-Nitrosomethylethylamine	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
N-Nitrosomorpholine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
N-Nitrosopiperidine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
N-Nitrosopyrrolidine	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
o,o,o-Triethylphosphorothioate	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
o-Toluidine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
p-Dimethylaminoazobenzene	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Pentachlorobenzene	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Pentachloroethane	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Pentachloronitrobenzene	ND(0.81)	ND(0.79)	ND(0.91)	ND(0.86)	ND(0.92)	ND(0.76)	ND(0.73)
Pentachlorophenol	ND(2.1)	ND(2.0)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(1.8)
Phenacetin	ND(0.81) J	ND(0.79) J	ND(0.91)	ND(0.86) J	ND(0.92) J	ND(0.76) J	ND(0.73) J
Phenanthrene	0.57	0.72	0.18 J	0.089 J	ND(0.46)	0.10 J	0.33 J
Phenol	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Pronamide	ND(0.40)	ND(0.39)	ND(0.45) J	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Pyrene	1.7	1.9	0.34 J	0.16 J	0.12 J	0.38	0.63
Pyridine	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43) J	ND(0.46) J	ND(0.38) J	ND(0.36) J
Safrole	ND(0.40) J	ND(0.39) J	ND(0.45) J	ND(0.43) J	ND(0.46) J	ND(0.38) J	ND(0.36) J
Thionazin	ND(0.40)	ND(0.39)	ND(0.45)	ND(0.43)	ND(0.46)	ND(0.38)	ND(0.36)
Furans							
2,3,7,8-TCDF	0.0000045 J	0.000011 Y	0.0000048 Y	0.0000092 Y	0.0000028 Y	0.0000037 Y	0.0000064 Y
TCDFs (total)	0.000028	0.00013 Q	0.00012	0.000084 Q	0.000026 Q	0.000072 Q	0.000069 Q
1,2,3,7,8-PeCDF	0.0000042 J	0.0000032 JQ	0.0000055 J	0.0000072	ND(0.0000013) X	0.0000041 J	0.0000026 J
2,3,4,7,8-PeCDF	0.0000034 J	0.0000086 Q	0.0000069	0.0000059 J	0.0000012 J	0.000020	0.0000078
PeCDFs (total)	0.000041 Q	0.000070 Q	0.000088	0.000057 Q	0.000013 Q	0.00018 Q	0.000085
1,2,3,4,7,8-HxCDF	0.0000028 J	0.0000039 J	0.0000078	0.0000086	0.0000010 J	0.0000031 J	0.0000035 J
1,2,3,6,7,8-HxCDF	ND(0.0000022)	0.0000029 J	0.0000066	0.0000038 J	0.00000066 J	0.0000040 J	0.0000025 J
1,2,3,7,8,9-HxCDF	ND(0.0000022)	ND(0.0000017) Q	0.0000016 J	ND(0.0000020) Q	ND(0.00000066)	ND(0.0000019) Q	ND(0.0000014)
2,3,4,6,7,8-HxCDF	0.0000022 J	0.0000053 J	0.0000075	0.0000048 J	ND(0.00000071) X	0.0000094	0.0000047 J
HxCDFs (total)	0.000032	0.000061 Q	0.000063	0.000081 Q	0.0000073	0.00012 Q	0.000062
1,2,3,4,6,7,8-HpCDF	0.000012 J	0.000013	0.000026	0.000058	0.0000036 J	0.0000076	0.000010
1,2,3,4,7,8,9-HpCDF	ND(0.0000022)	0.0000011 J	0.0000016 J	0.0000016 J	ND(0.00000066)	0.00000075 J	0.00000090 J
HpCDFs (total)	0.000022	0.000024	0.000034	0.00010	0.0000060 J	0.000020	0.000026
OCDF	0.0000094 J	0.000014	0.000011 J	0.000066	0.0000036 J	0.000014	0.000023

TABLE D-43
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-5

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3B-A9-4 0-1 11/18/04	3B-A9-4 1-3 11/18/04	3B-A9-4 3-5 11/18/04	3B-A9-5 0-1 11/16/04	3B-A9-5 1-3 11/16/04	3B-A9-6 0-1 11/16/04	3B-A9-6 1-3 11/16/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000087)	ND(0.00000040)	0.00000050 J	ND(0.00000042)	ND(0.00000035)	ND(0.00000031)	ND(0.00000038)
TCDDs (total)	ND(0.0000029)	0.0000010 J	0.0000093	0.000040	ND(0.00000081)	ND(0.00000051)	ND(0.00000058)
1,2,3,7,8-PeCDD	ND(0.0000022)	0.0000010 JQ	0.0000016 J	ND(0.0000020) X	ND(0.00000066)	ND(0.00000053)	ND(0.00000063) X
PeCDDs (total)	ND(0.0000022)	0.0000080 Q	0.000022 Q	0.000046 Q	0.0000029 JQ	0.0000040 J	0.0000027 JQ
1,2,3,4,7,8-HxCDD	ND(0.0000022)	0.00000062 J	0.0000011 J	ND(0.0000019) X	ND(0.00000066)	ND(0.00000053)	ND(0.00000061)
1,2,3,6,7,8-HxCDD	ND(0.0000022)	0.0000014 J	0.0000019 J	0.0000033 J	ND(0.00000066)	0.00000093 J	0.0000016 J
1,2,3,7,8,9-HxCDD	ND(0.0000022)	0.0000011 J	ND(0.0000013) X	0.0000022 J	ND(0.00000066)	0.00000075 J	0.0000011 J
HxCDDs (total)	ND(0.0000022)	0.000016	0.000023	0.000066	ND(0.0000012)	0.0000090	0.000010
1,2,3,4,6,7,8-HpCDD	0.000010 J	0.000015	0.0000086	0.000058	0.0000040 J	0.000013	0.000020
HpCDDs (total)	0.000018 J	0.000030	0.000017	0.00014	0.0000079	0.000027	0.000041
OCDD	0.000092	0.00011	0.000020	0.00077	0.000047	0.00012	0.00020
Total TEQs (WHO TEFs)	0.0000052	0.0000087	0.0000094	0.0000092	0.0000018	0.000013	0.0000069
Inorganics							
Antimony	ND(6.00)	ND(6.00)	1.50 B	ND(6.00) J	1.10 J	ND(6.00) J	ND(6.00) J
Arsenic	5.20	5.40	12.0	7.30	11.0	6.70	4.20
Barium	27.0	54.0	470	56.0	66.0	24.0	41.0
Beryllium	0.210 B	0.320 B	0.690	0.440 B	0.520	0.260 B	0.380 B
Cadmium	0.110 B	0.280 B	0.400 B	0.400 B	0.270 B	0.280 B	0.480 B
Chromium	9.40	6.50	18.0	14.0	7.10	7.30	5.40
Cobalt	7.00	6.40	6.90	7.20	5.60	7.60	8.70
Copper	19.0	20.0	54.0	34.0	22.0	15.0	15.0
Cyanide	0.240 B	0.190 B	0.450	0.200 B	0.170 B	0.100 B	0.0880 B
Lead	30.0	110	1600	95.0	70.0	55.0	130
Mercury	0.320	0.110 B	1.40	0.240	0.0880 B	0.0630 B	0.180
Nickel	12.0	11.0	15.0	14.0	11.0	13.0	13.0
Selenium	0.940 B	1.30	1.10	ND(2.0) J	2.60 J	ND(1.8) J	ND(1.4) J
Silver	0.180 B	0.240 B	1.20	0.130 B	0.420 B	ND(1.00)	ND(1.00)
Sulfide	9.70 J	1100 J	35.0 J	160 J	18.0 J	500 J	76.0 J
Thallium	ND(1.20) J	ND(1.20) J	ND(1.40) J	ND(1.30)	ND(1.40)	ND(1.10)	ND(1.10)
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(11.0)	23.0	ND(10.0)	ND(10.0)
Vanadium	7.60	11.0	37.0	15.0	28.0	8.30	7.30
Zinc	48.0	100	510	120	76.0	57.0	82.0

TABLE D-43
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-5

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:
1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)
- J - Estimated Value.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics
- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- J - Estimated Value.

TABLE D-44
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-3-5

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
Acenaphthylene	1	55	No
Anthracene	0.44	14,000	No
Benzo(a)anthracene	1.1	0.56	**Yes**
Benzo(a)pyrene	1.1	0.056	**Yes**
Benzo(b)fluoranthene	0.72	0.56	**Yes**
Benzo(g,h,i)perylene	0.16	55	No
Benzo(k)fluoranthene	0.75	5.6	No
bis(2-Ethylhexyl)phthalate	2.3	32	No
Chrysene	1.1	56	No
Fluoranthene	1.5	2,000	No
Indeno(1,2,3-cd)pyrene	0.43	0.56	No
Phenanthrene	0.72	55	No
Pyrene	1.9	1,500	No
Inorganics			
Antimony	1.5	30	No
Arsenic	12	0.38	**Yes**
Barium	470	5,200	No
Beryllium	0.69	150	No
Cadmium	0.48	37	No
Chromium	18	210	No
Cobalt	8.7	3,300	No
Copper	54	2,800	No
Cyanide	0.45	11	No
Lead	1,600	400	**Yes**
Mercury	1.4	22	No
Nickel	15	1,500	No
Selenium	2.6	370	No
Silver	1.2	370	No
Sulfide	1,100	350	**Yes**
Tin	23	45,000	No
Vanadium	37	520	No
Zinc	510	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-45
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-5 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3B-A9-4 0-1 11/18/04	3B-A9-5 0-1 11/16/04	3B-A9-6 0-1 11/16/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	1.1	**0.22**	0.30	N/A (See Note 5)	0.54	7	No
Benzo(a)pyrene	1.1	**0.22**	0.20	N/A (See Note 5)	0.51	2	No
Benzo(b)fluoranthene	0.72	0.23	0.34	N/A (See Note 5)	0.43	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.0000052	0.0000092	0.000013	1.30E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	5.20	7.30	6.70	N/A (See Note 5)	6.40	20	No
Lead	30.0	95.0	55.0	N/A (See Note 5)	60.00	300	No
Sulfide	9.70	160	500	N/A (See Note 5)	223.23	633*	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

TABLE D-46
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-5 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3B-A9-4 1-3 11/18/04	3B-A9-5 1-3 11/16/04	3B-A9-6 1-3 11/16/04	3B-A9-4 3-5 11/18/04
Semivolatile Organics				
Benzo(a)anthracene	0.95	0.28	0.45	0.41
Benzo(a)pyrene	0.87	**0.23**	0.27	0.23
Benzo(b)fluoranthene	0.62	**0.23**	0.33	0.35
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000087	0.0000018	0.0000069	0.0000094
Inorganics				
Arsenic	5.40	11.0	4.20	12.0
Lead	110	70.0	130	1,600
Sulfide	1,100	18.0	76.0	35.0

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.52	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.40	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.38	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	9.40E-06	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	8.15	20	No
Lead	N/A (See Note 5)	477.50	300	**Yes**
Sulfide	N/A (See Note 5)	307.25	633*	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

TABLE D-47
POST-REMEDIATION CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-5 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3B-A9-4 1-3 11/18/04	3B-A9-5 1-3 11/16/04	3B-A9-6 1-3 11/16/04	3B-A9-4 3-5 11/18/04
Semivolatile Organics				
Benzo(a)anthracene	0.95	0.28	0.45	0.41
Benzo(a)pyrene	0.87	**0.23**	0.27	0.23
Benzo(b)fluoranthene	0.62	**0.23**	0.33	0.35
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000087	0.0000018	0.0000069	0.0000094
Inorganics				
Arsenic	5.40	11.0	4.20	12.0
Lead	110	70.0	130	***6.24***
Sulfide	1,100	18.0	76.0	35.0

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.52	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.40	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.38	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	9.40E-06	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	8.15	20	No
Lead	N/A (See Note 5)	79.06	300	No
Sulfide	N/A (See Note 5)	307.25	633*	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.
7. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of remedial actions. The backfill concentrations correspond to the average concentrations of such constituents as presented in the CD Sites Backfill Data Set.

I7-3-6 (BACK)

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TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	PDI	PDI	PDI	PDI	PDI	PDI
Location ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1
Date Collected:	11/16/04	11/16/04	11/18/04	11/18/04	11/18/04	11/16/04
Volatile Organics						
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethylvinylether	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA
3-Chloropropene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Acetonitrile	NA	NA	NA	NA	NA	NA
Acrolein	NA	NA	NA	NA	NA	NA
Acrylonitrile	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA
Iodomethane	NA	NA	NA	NA	NA	NA
Isobutanol	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA
Methacrylonitrile	NA	NA	NA	NA	NA	NA
Methyl Methacrylate	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA
Propionitrile	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA
Vinyl Acetate	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	NA	NA	NA
Semivolatile Organics						
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	PDI	PDI	PDI	PDI	PDI	PDI
Location ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1
Date Collected:	11/16/04	11/16/04	11/18/04	11/18/04	11/18/04	11/16/04
Semivolatile Organics (continued)						
1,2-Dichlorobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
1,2-Diphenylhydrazine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
1,3-Dichlorobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
1,3-Dinitrobenzene	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
1,4-Dichlorobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
1,4-Naphthoquinone	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.79) J	ND(0.78) J	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86) J
2,3,4,6-Tetrachlorophenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2,4,5-Trichlorophenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2,4,6-Trichlorophenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2,4-Dichlorophenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2,4-Dimethylphenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2,4-Dinitrophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2)
2,4-Dinitrotoluene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2,6-Dichlorophenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2,6-Dinitrotoluene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2-Acetylaminofluorene	ND(0.79)	ND(0.78)	ND(0.80) J	ND(0.77) J	ND(0.81) J	ND(0.86)
2-Chloronaphthalene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2-Chlorophenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2-Methylnaphthalene	ND(0.39)	ND(0.39)	ND(0.40)	0.28 J	ND(0.40)	ND(0.43)
2-Methylphenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
2-Naphthylamine	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
2-Nitroaniline	ND(2.0) J	ND(2.0) J	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2) J
2-Nitrophenol	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
2-Picoline	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
3&4-Methylphenol	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
3,3'-Dichlorobenzidine	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
3-Methylcholanthrene	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
3-Nitroaniline	ND(2.0) J	ND(2.0) J	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2) J
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.39) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.43) J
4-Aminobiphenyl	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
4-Bromophenyl-phenylether	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
4-Chloro-3-Methylphenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
4-Chloroaniline	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
4-Chlorobenzilate	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
4-Chlorophenyl-phenylether	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
4-Methylphenol	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2)
4-Nitrophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2)
4-Nitroquinoline-1-oxide	ND(0.79) J	ND(0.78) J	ND(0.80) J	ND(0.77) J	ND(0.81) J	ND(0.86) J
4-Phenylenediamine	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
5-Nitro-o-toluidine	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
7,12-Dimethylbenz(a)anthracene	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
a,a'-Dimethylphenethylamine	ND(0.79)	ND(0.78)	ND(0.80) J	ND(0.77) J	ND(0.81) J	ND(0.86)
Acenaphthene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	0.78
Acenaphthylene	0.29 J	0.42	0.22 J	2.2	0.36 J	0.48
Acetophenone	ND(0.39)	ND(0.39)	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.43)
Aniline	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Anthracene	0.19 J	0.20 J	ND(0.40)	0.68	0.70	0.38 J
Aramite	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
Azobenzene	NA	NA	NA	NA	NA	NA
Benzal chloride	NA	NA	NA	NA	NA	NA
Benzidine	ND(0.79) J	ND(0.78) J	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86) J
Benzo(a)anthracene	0.29 J	0.28 J	0.24 J	1.2	2.5	1.4
Benzo(a)pyrene	0.14 J	0.24 J	ND(0.40)	1.3	1.6	0.72
Benzo(b)fluoranthene	0.30 J	0.30 J	ND(0.40)	0.84	0.97	0.74
Benzo(g,h,i)perylene	ND(0.39)	ND(0.39)	ND(0.40)	1.3	0.47	0.19 J
Benzo(k)fluoranthene	0.22 J	0.18 J	ND(0.40)	0.98	1.4	0.63
Benzoic Acid	NA	NA	NA	NA	NA	NA
Benzotrichloride	NA	NA	NA	NA	NA	NA

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]:	PDI	PDI	PDI	PDI	PDI	PDI
Location ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1
Date Collected:	11/16/04	11/16/04	11/18/04	11/18/04	11/18/04	11/16/04
Semivolatile Organics (continued)						
Benzyl Alcohol	ND(0.79) J	ND(0.78) J	ND(0.80) J	ND(0.77) J	ND(0.81) J	ND(0.86) J
Benzyl Chloride	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
bis(2-Chloroethyl)ether	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
bis(2-Chloroisopropyl)ether	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.40)	ND(0.42)
Butylbenzylphthalate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Chrysene	0.20 J	0.18 J	ND(0.40)	1.2	2.0	1.0
Cyclophosphamide	NA	NA	NA	NA	NA	NA
Diallate	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
Diallate (cis isomer)	NA	NA	NA	NA	NA	NA
Diallate (trans isomer)	NA	NA	NA	NA	NA	NA
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.39)	ND(0.39)	ND(0.40)	0.25 J	ND(0.40)	ND(0.43)
Dibenzofuran	ND(0.39)	ND(0.39)	ND(0.40)	0.11 J	ND(0.40)	ND(0.43)
Diethylphthalate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Dimethoate	NA	NA	NA	NA	NA	NA
Dimethylphthalate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Di-n-Butylphthalate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Di-n-Octylphthalate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Diphenylamine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Famphur	NA	NA	NA	NA	NA	NA
Fluoranthene	0.22 J	0.23 J	0.10 J	1.6	3.6	3.7
Fluorene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	0.094 J	ND(0.43)
Hexachlorobenzene	ND(0.39) J	ND(0.39) J	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43) J
Hexachlorobutadiene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Hexachlorocyclopentadiene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Hexachloroethane	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Hexachlorophene	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
Hexachloropropene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Indeno(1,2,3-cd)pyrene	ND(0.39)	ND(0.39)	ND(0.40)	0.92	0.57	0.20 J
Isodrin	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Isophorone	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Isosafrole	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
Methapyrilene	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
Methyl Methanesulfonate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Naphthalene	ND(0.39)	0.083 J	ND(0.40)	0.41	0.13 J	ND(0.43)
Nitrobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
N-Nitrosodiethylamine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
N-Nitrosodimethylamine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
N-Nitroso-di-n-butylamine	ND(0.79) J	ND(0.78) J	ND(0.80) J	ND(0.77) J	ND(0.81) J	ND(0.86) J
N-Nitroso-di-n-propylamine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
N-Nitrosodiphenylamine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
N-Nitrosomethylethylamine	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
N-Nitrosomorpholine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
N-Nitrosopiperidine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
N-Nitrosopyrrolidine	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
o,o,o-Triethylphosphorothioate	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
o-Toluidine	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Paraldehyde	NA	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
Pentachlorobenzene	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Pentachloroethane	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Pentachloronitrobenzene	ND(0.79)	ND(0.78)	ND(0.80)	ND(0.77)	ND(0.81)	ND(0.86)
Pentachlorophenol	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2)
Phenacetin	ND(0.79) J	ND(0.78) J	ND(0.80) J	ND(0.77) J	ND(0.81) J	ND(0.86) J
Phenanthrene	0.085 J	0.13 J	ND(0.40)	0.99	1.1	0.61
Phenol	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Pronamide	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)
Pyrene	0.31 J	0.37 J	0.14 J	2.0	3.4	2.7
Pyridine	ND(0.39) J	ND(0.39) J	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43) J
Safrole	ND(0.39) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.43) J
Thionazin	ND(0.39)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.43)

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type[2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:						
	Data Type[2]:	PDI	PDI	PDI	PDI	PDI	PDI
	Location ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
	Sample ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
	Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1
Parameter	Date Collected:	11/16/04	11/16/04	11/18/04	11/18/04	11/18/04	11/16/04
Organochlorine Pesticides							
4,4'-DDD		NA	NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA	NA
Aldrin		NA	NA	NA	NA	NA	NA
Alpha-BHC		NA	NA	NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA	NA	NA
Endrin		NA	NA	NA	NA	NA	NA
Endrin Aldehyde		NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA	NA	NA
Kepone		NA	NA	NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA	NA	NA
Technical Chlordane		NA	NA	NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA	NA	NA
Organophosphate Pesticides							
Dimethoate		NA	NA	NA	NA	NA	NA
Disulfoton		NA	NA	NA	NA	NA	NA
Ethyl Parathion		NA	NA	NA	NA	NA	NA
Famphur		NA	NA	NA	NA	NA	NA
Methyl Parathion		NA	NA	NA	NA	NA	NA
Phorate		NA	NA	NA	NA	NA	NA
Sulfotep		NA	NA	NA	NA	NA	NA
Herbicides							
2,4,5-T		NA	NA	NA	NA	NA	NA
2,4,5-TP		NA	NA	NA	NA	NA	NA
2,4-D		NA	NA	NA	NA	NA	NA
Dinoseb		NA	NA	NA	NA	NA	NA
Furans							
2,3,7,8-TCDF		0.0000099 Y	0.00000042 J	ND(0.0000012) X	0.00000075 J	ND(0.00000075) X	0.000059 Y
TCDFs (total)		0.00011 QI	0.00000042 J	0.0000065	0.0000034 Q	0.00000041 J	0.0010 Q
1,2,3,7,8-PeCDF		0.000043	0.00000057 J	0.0000015 J	ND(0.00000059)	ND(0.00000059)	0.00082
2,3,4,7,8-PeCDF		ND(0.0000078)	ND(0.00000055)	0.0000014 J	ND(0.00000059)	ND(0.00000059)	ND(0.000043)
PeCDFs (total)		0.00018 Q	0.0000012 JQ	0.000014	0.0000047 JQ	ND(0.00000059)	0.0016 Q
1,2,3,4,7,8-HxCDF		0.000049	ND(0.00000055)	0.0000012 J	ND(0.00000083) X	ND(0.00000059)	0.00037
1,2,3,6,7,8-HxCDF		0.0000055 J	ND(0.00000055)	ND(0.00000063)	ND(0.00000057)	ND(0.00000059)	0.000024
1,2,3,7,8,9-HxCDF		ND(0.0000032) Q	ND(0.00000055)	ND(0.00000066)	ND(0.00000063)	ND(0.00000059)	0.000011 Q
2,3,4,6,7,8-HxCDF		0.0000080	ND(0.00000055)	0.00000067 J	ND(0.00000057)	ND(0.00000059)	0.000023
HxCDFs (total)		0.00019 Q	0.0000014 J	0.000012	0.0000029 J	ND(0.00000059)	0.00084 Q
1,2,3,4,6,7,8-HpCDF		0.000038	0.00000089 J	0.0000047 J	0.0000023 J	0.00000084 J	0.00016
1,2,3,4,7,8,9-HpCDF		0.0000077	ND(0.00000055)	ND(0.00000063)	ND(0.00000057)	ND(0.00000059)	0.000031
HpCDFs (total)		0.000087	0.00000089 J	0.0000091	0.0000038 J	0.00000084 J	0.00039
OCDF		0.000032	0.0000014 J	0.0000066 J	0.0000027 J	ND(0.0000012)	0.00036
Dioxins							
2,3,7,8-TCDD		0.00000038 J	ND(0.00000029)	ND(0.00000025)	ND(0.00000023)	ND(0.00000027)	0.0000012 J
TCDDs (total)		0.0000020 J	ND(0.00000062)	ND(0.00000087)	ND(0.00000062)	ND(0.00000064)	0.000010 Q
1,2,3,7,8-PeCDD		ND(0.0000036) X	ND(0.00000055)	ND(0.00000063)	ND(0.00000057)	ND(0.00000059)	ND(0.0000095)
PeCDDs (total)		0.0000038 J	ND(0.00000055)	ND(0.00000063)	ND(0.00000057) Q	ND(0.0000011)	ND(0.0000095) Q
1,2,3,4,7,8-HxCDD		0.0000034 J	ND(0.00000066)	ND(0.00000063)	ND(0.00000057)	ND(0.00000059)	ND(0.0000082) X
1,2,3,6,7,8-HxCDD		ND(0.0000052) X	ND(0.00000059)	ND(0.00000063)	ND(0.00000057)	ND(0.00000059)	ND(0.000011) X
1,2,3,7,8,9-HxCDD		0.0000041 J	ND(0.00000064)	ND(0.00000063)	ND(0.00000057)	ND(0.00000059)	0.0000078
HxCDDs (total)		0.000040	ND(0.0000010)	0.0000014 J	ND(0.0000011)	ND(0.00000059)	0.00010
1,2,3,4,6,7,8-HpCDD		0.000025	0.00000077 J	0.0000070	0.0000016 J	ND(0.00000059)	0.00012
HpCDDs (total)		0.000060	0.00000077 J	0.000014	0.0000030 J	ND(0.00000059)	0.00022
OCDD		0.00011	0.0000038 J	0.000060	0.000010 J	0.0000039 J	0.0012
Total TEQs (WHO TEFs)		0.000015	0.00000085	0.0000017	0.00000090	0.00000085	0.00011

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]:	PDI	PDI	PDI	PDI	PDI	PDI
Location ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample ID:	3B-A9-7	3B-A9-7	3B-A9-8	3B-A9-8	3B-A9-8	3B-A9-9
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1
Date Collected:	11/16/04	11/16/04	11/18/04	11/18/04	11/18/04	11/16/04
Inorganics						
Aluminum	NA	NA	NA	NA	NA	NA
Antimony	1.10 J	ND(6.00) J	3.40 B	2.70 B	ND(6.00)	0.950 J
Arsenic	7.00	6.80	3.80	8.00	4.00	3.10
Barium	36.0	53.0	37.0	43.0	30.0	33.0
Beryllium	0.260 B	0.320 B	0.320 B	0.330 B	0.280 B	0.270 B
Cadmium	0.340 B	0.270 B	ND(0.500)	ND(0.500)	ND(0.500)	0.360 B
Calcium	NA	NA	NA	NA	NA	NA
Chromium	8.90	7.10	9.90	7.40	10.0	13.0
Cobalt	8.70	7.30	13.0	7.70	7.70	5.90
Copper	31.0	18.0	16.0	90.0	16.0	25.0
Cyanide	0.160	ND(0.230)	0.0840 B	0.300	0.110 B	0.280
Iron	NA	NA	NA	NA	NA	NA
Lead	80.0	38.0	14.0	110	44.0	50.0
Magnesium	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA
Mercury	0.100 B	0.190	ND(0.120)	0.0960 B	0.0550 B	0.0880 B
Nickel	15.0	13.0	25.0	15.0	13.0	11.0
Potassium	NA	NA	NA	NA	NA	NA
Selenium	ND(2.1) J	ND(1.2) J	1.10	1.90	1.40	ND(1.7) J
Silver	0.140 B	ND(1.00)	ND(1.00)	0.200 B	0.150 B	0.270 B
Sodium	NA	NA	NA	NA	NA	NA
Sulfide	75.0 J	150 J	7.60 J	63.0 J	ND(6.00)	10.0 J
Thallium	ND(1.20)	ND(1.20)	ND(1.20) J	ND(1.20) J	ND(1.20) J	ND(1.30)
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	11.0	12.0	12.0	11.0	8.70	10.0
Zinc	79.0	58.0	45.0	66.0	55.0	77.0

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3B-A9-9 3B-A9-9 1-3 11/16/04	EPA RB021626 H2-RB021626-0-0000 0-0.5 11/02/98	Historical I7-3-6C-15 I7-3-6C-15 0-0.5 09/21/94
Volatile Organics				
1,1,1,2-Tetrachloroethane		NA	NA	ND(0.024)
1,1,1-trichloro-2,2,2-trifluoroethane		NA	NA	ND(0.018)
1,1,1-Trichloroethane		NA	NA	ND(0.024)
1,1,2,2-Tetrachloroethane		NA	NA	ND(0.012)
1,1,2-trichloro-1,2,2-trifluoroethane		NA	NA	ND(0.012)
1,1,2-Trichloroethane		NA	NA	ND(0.018)
1,1-Dichloroethane		NA	NA	ND(0.018)
1,1-Dichloroethene		NA	NA	ND(0.024)
1,2,3-Trichloropropane		NA	NA	ND(0.024)
1,2-Dibromo-3-chloropropane		NA	NA	ND(0.060)
1,2-Dibromoethane		NA	NA	ND(0.024)
1,2-Dichloroethane		NA	NA	ND(0.012)
1,2-Dichloroethene (total)		NA	NA	ND(0.054)
1,2-Dichloropropane		NA	NA	ND(0.024)
1,4-Dioxane		NA	NA	ND(61)
2-Butanone		NA	NA	ND(0.042)
2-Chloroethylvinylether		NA	NA	ND(0.018)
2-Hexanone		NA	NA	ND(0.042)
3-Chloropropene		NA	NA	ND(0.018)
4-Methyl-2-pentanone		NA	NA	ND(0.030)
Acetone		NA	NA	ND(0.11)
Acetonitrile		NA	NA	ND(0.24)
Acrolein		NA	NA	ND(0.28)
Acrylonitrile		NA	NA	ND(0.25)
Benzene		NA	NA	ND(0.018)
Bromodichloromethane		NA	NA	ND(0.024)
Bromoform		NA	NA	ND(0.018)
Bromomethane		NA	NA	ND(0.024)
Carbon Disulfide		NA	NA	ND(0.012)
Carbon Tetrachloride		NA	NA	ND(0.018)
Chlorobenzene		NA	NA	ND(0.018)
Chloroethane		NA	NA	ND(0.024)
Chloroform		NA	NA	ND(0.018)
Chloromethane		NA	NA	ND(0.042)
cis-1,2-Dichloroethene		NA	NA	ND(0.036)
cis-1,3-Dichloropropene		NA	NA	ND(0.012)
cis-1,4-Dichloro-2-butene		NA	NA	ND(0.024)
Crotonaldehyde		NA	NA	ND(0.66)
Dibromochloromethane		NA	NA	ND(0.018)
Dibromomethane		NA	NA	ND(0.024)
Ethyl Methacrylate		NA	NA	ND(0.030)
Ethylbenzene		NA	NA	ND(0.018)
Iodomethane		NA	NA	ND(0.012)
Isobutanol		NA	NA	ND(16)
m&p-Xylene		NA	NA	ND(0.012)
Methacrylonitrile		NA	NA	ND(0.024)
Methyl Methacrylate		NA	NA	ND(0.060)
Methylene Chloride		NA	NA	0.011 JB
o-Xylene		NA	NA	ND(0.012)
Propionitrile		NA	NA	ND(0.71)
Styrene		NA	NA	ND(0.012)
Tetrachloroethene		NA	NA	ND(0.018)
Toluene		NA	NA	ND(0.018)
trans-1,2-Dichloroethene		NA	NA	ND(0.018)
trans-1,3-Dichloropropene		NA	NA	ND(0.018)
trans-1,4-Dichloro-2-butene		NA	NA	ND(0.024)
Trichloroethene		NA	NA	ND(0.024)
Trichlorofluoromethane		NA	NA	ND(0.024)
Vinyl Acetate		NA	NA	ND(0.024)
Vinyl Chloride		NA	NA	ND(0.024)
Xylenes (total)		NA	NA	ND(0.024)
Semivolatile Organics				
1,2,3,4-Tetrachlorobenzene		NA	NA	0.088 J
1,2,3,5-Tetrachlorobenzene		NA	NA	ND(1.6)
1,2,3-Trichlorobenzene		NA	NA	0.044 J
1,2,4,5-Tetrachlorobenzene		ND(0.42)	ND(1.1)	ND(1.6)
1,2,4-Trichlorobenzene		ND(0.42)	0.20 J	ND(0.66)

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3B-A9-9 3B-A9-9 1-3 11/16/04	EPA RB021626 H2-RB021626-0-0000 0-0.5 11/02/98	Historical I7-3-6C-15 I7-3-6C-15 0-0.5 09/21/94
Semivolatile Organics (continued)				
1,2-Dichlorobenzene		ND(0.42)	ND(1.1)	ND(0.71)
1,2-Diphenylhydrazine		ND(0.42)	NA	ND(0.83)
1,3,5-Trichlorobenzene		NA	NA	ND(0.73)
1,3,5-Trinitrobenzene		ND(0.42)	ND(1.1)	ND(1.1)
1,3-Dichlorobenzene		ND(0.42)	0.065 J	ND(0.61)
1,3-Dinitrobenzene		ND(0.85)	ND(1.1)	ND(0.67)
1,4-Dichlorobenzene		ND(0.42)	0.58 J	ND(0.62)
1,4-Naphthoquinone		ND(0.85)	ND(1.1)	ND(1.9)
1-Chloronaphthalene		NA	NA	ND(1.4)
1-Methylnaphthalene		NA	NA	0.041 J
1-Naphthylamine		ND(0.85) J	ND(1.1)	ND(1.7)
2,3,4,6-Tetrachlorophenol		ND(0.42)	R	ND(1.7)
2,4,5-Trichlorophenol		ND(0.42)	R	ND(1.6)
2,4,6-Trichlorophenol		ND(0.42)	R	ND(1.6)
2,4-Dichlorophenol		ND(0.42)	R	ND(0.66)
2,4-Dimethylphenol		ND(0.42)	R	ND(0.73)
2,4-Dinitrophenol		ND(2.2)	R	ND(2.0)
2,4-Dinitrotoluene		ND(0.42)	ND(1.1)	ND(0.79)
2,6-Dichlorophenol		ND(0.42)	R	ND(1.4)
2,6-Dinitrotoluene		ND(0.42)	ND(1.1)	ND(0.90)
2-Acetylaminofluorene		ND(0.85)	ND(1.1)	ND(0.85)
2-Chloronaphthalene		ND(0.42)	ND(1.1)	ND(1.2)
2-Chlorophenol		ND(0.42)	R	ND(0.75)
2-Methylnaphthalene		ND(0.42)	0.18 J	ND(1.0)
2-Methylphenol		ND(0.42)	R	ND(0.78)
2-Naphthylamine		ND(0.85)	ND(1.1)	ND(1.0)
2-Nitroaniline		ND(2.2) J	ND(2.7)	ND(1.3)
2-Nitrophenol		ND(0.85)	R	ND(0.74)
2-Picoline		ND(0.42)	ND(1.1)	ND(1.4)
3&4-Methylphenol		ND(0.85)	NA	ND(1.6)
3,3'-Dichlorobenzidine		ND(0.85)	ND(1.1)	ND(0.60)
3,3'-Dimethoxybenzidine		NA	NA	ND(1.2)
3,3'-Dimethylbenzidine		ND(0.42)	ND(1.1) J	ND(1.2)
3-Methylcholanthrene		ND(0.85)	ND(1.1)	ND(0.73)
3-Nitroaniline		ND(2.2) J	ND(2.7)	ND(0.83)
4,4'-Methylene-bis(2-chloroaniline)		NA	NA	ND(0.54)
4,6-Dinitro-2-methylphenol		ND(0.42) J	R	ND(2.2)
4-Aminobiphenyl		ND(0.85)	ND(1.1) J	ND(0.49)
4-Bromophenyl-phenylether		ND(0.42)	ND(1.1)	ND(0.90)
4-Chloro-3-Methylphenol		ND(0.42)	R	ND(0.90)
4-Chloroaniline		ND(0.42)	ND(1.1)	ND(0.83)
4-Chlorobenzilate		ND(0.85)	ND(1.1)	ND(0.85)
4-Chlorophenyl-phenylether		ND(0.42)	ND(1.1)	ND(0.72)
4-Methylphenol		NA	R	NA
4-Nitroaniline		ND(2.2)	ND(2.7)	ND(1.3)
4-Nitrophenol		ND(2.2)	R	ND(5.4)
4-Nitroquinoline-1-oxide		ND(0.85) J	R	ND(5.7)
4-Phenylenediamine		ND(0.85)	ND(1.1)	NA
5-Nitro-o-toluidine		ND(0.85)	ND(1.1)	ND(1.2)
7,12-Dimethylbenz(a)anthracene		ND(0.85)	ND(1.1)	ND(0.49)
a,a'-Dimethylphenethylamine		ND(0.85)	ND(1.1)	NA
Acenaphthene		ND(0.42)	0.32 J	ND(0.79)
Acenaphthylene		ND(0.42)	0.27 J	0.13 J
Acetophenone		ND(0.42)	ND(1.1)	ND(0.79)
Aniline		ND(0.42)	ND(2.7)	ND(0.67)
Anthracene		0.25 J	1.2	0.17 J
Aramite		ND(0.85)	ND(1.1)	ND(0.79)
Azobenzene		NA	ND(1.1)	NA
Benzal chloride		NA	NA	ND(0.63)
Benzidine		ND(0.85) J	NA	ND(1.9)
Benzo(a)anthracene		0.60	2.6	0.79
Benzo(a)pyrene		0.38 J	2.2	0.76 J
Benzo(b)fluoranthene		0.39 J	1.7	1.1 Z
Benzo(g,h,i)perylene		ND(0.42)	1.4	0.24 J
Benzo(k)fluoranthene		0.32 J	2.1	2.1 Z
Benzoic Acid		NA	NA	0.063 JB
Benzotrichloride		NA	NA	ND(0.74)

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3B-A9-9 3B-A9-9 1-3 11/16/04	EPA RB021626 H2-RB021626-0-0000 0-0.5 11/02/98	Historical I7-3-6C-15 I7-3-6C-15 0-0.5 09/21/94
Semivolatile Organics (continued)				
Benzyl Alcohol		ND(0.85) J	ND(1.1)	ND(0.66)
Benzyl Chloride		NA	NA	ND(0.69)
bis(2-Chloroethoxy)methane		ND(0.42)	ND(1.1)	ND(0.80)
bis(2-Chloroethyl)ether		ND(0.42)	ND(1.1)	ND(0.71)
bis(2-Chloroisopropyl)ether		ND(0.42)	ND(1.1)	ND(0.78)
bis(2-Ethylhexyl)phthalate		ND(0.42)	ND(0.11)	ND(0.90)
Butylbenzylphthalate		ND(0.42)	ND(1.1)	ND(0.81)
Chrysene		0.44	2.6	0.63 J
Cyclophosphamide		NA	NA	ND(0.75)
Diallate		ND(0.85)	ND(1.1)	NA
Diallate (cis isomer)		NA	NA	ND(0.79)
Diallate (trans isomer)		NA	NA	ND(0.79)
Dibenz(a,j)acridine		NA	NA	ND(0.49)
Dibenzo(a,h)anthracene		ND(0.42)	0.44 J	0.072 J
Dibenzofuran		ND(0.42)	0.46 J	ND(0.83)
Diethylphthalate		ND(0.42)	ND(1.1)	ND(0.86)
Dimethoate		NA	NA	ND(0.79)
Dimethylphthalate		ND(0.42)	ND(1.1)	ND(1.2)
Di-n-Butylphthalate		ND(0.42)	ND(0.16)	0.10 JB
Di-n-Octylphthalate		ND(0.42)	ND(1.1)	ND(0.57)
Diphenylamine		ND(0.42)	NA	ND(1.7)
Ethyl Methacrylate		NA	NA	ND(0.71)
Ethyl Methanesulfonate		ND(0.42)	ND(1.1)	ND(0.72)
Famphur		NA	NA	ND(2.4)
Fluoranthene		0.68	5.4	1.2
Fluorene		ND(0.42)	0.96 J	0.067 J
Hexachlorobenzene		ND(0.42) J	ND(1.1)	ND(0.92)
Hexachlorobutadiene		ND(0.42)	ND(1.1)	ND(0.67)
Hexachlorocyclopentadiene		ND(0.42)	ND(1.1) J	ND(0.79)
Hexachloroethane		ND(0.42)	ND(1.1)	ND(0.72)
Hexachlorophene		ND(0.85)	NA	NA
Hexachloropropene		ND(0.42)	ND(1.1)	ND(0.68)
Indeno(1,2,3-cd)pyrene		ND(0.42)	1.6	0.27 J
Isodrin		ND(0.42)	ND(0.45)	ND(1.1)
Isophorone		ND(0.42)	ND(1.1)	ND(0.81)
Isosafrole		ND(0.85)	ND(1.1)	ND(1.6)
Methapyrilene		ND(0.85)	ND(1.1)	ND(1.6)
Methyl Methanesulfonate		ND(0.42)	ND(1.1)	ND(0.84)
Naphthalene		ND(0.42)	0.39 J	0.072 J
Nitrobenzene		ND(0.42)	ND(1.1)	ND(0.81)
N-Nitrosodiethylamine		ND(0.42)	ND(1.1)	ND(0.72)
N-Nitrosodimethylamine		ND(0.42)	ND(1.1)	ND(0.79)
N-Nitroso-di-n-butylamine		ND(0.85) J	ND(1.1)	ND(1.7)
N-Nitroso-di-n-propylamine		ND(0.42)	ND(1.1)	ND(0.73)
N-Nitrosodiphenylamine		ND(0.42)	ND(1.1)	ND(1.7)
N-Nitrosomethylethylamine		ND(0.85)	ND(1.1)	ND(0.65)
N-Nitrosomorpholine		ND(0.42)	ND(1.1)	ND(0.90)
N-Nitrosopiperidine		ND(0.42)	ND(1.1)	ND(0.89)
N-Nitrosopyrrolidine		ND(0.85)	ND(1.1)	ND(0.63)
o,o,o-Triethylphosphorothioate		ND(0.42)	NA	ND(6.3)
o-Toluidine		ND(0.42)	ND(1.1)	ND(2.4)
Paraldehyde		NA	NA	ND(0.43)
p-Dimethylaminoazobenzene		ND(0.85)	ND(1.1)	ND(0.80)
Pentachlorobenzene		ND(0.42)	0.067 J	0.11 J
Pentachloroethane		ND(0.42)	ND(1.1)	ND(0.99)
Pentachloronitrobenzene		ND(0.85)	ND(1.1)	ND(0.77)
Pentachlorophenol		ND(2.2)	R	ND(1.7)
Phenacetin		ND(0.85) J	ND(1.1)	ND(0.73)
Phenanthrene		0.33 J	4.2	0.61 J
Phenol		ND(0.42)	R	ND(0.68)
Pronamide		ND(0.42)	ND(1.1)	ND(0.78)
Pyrene		0.77	6.0	0.97
Pyridine		ND(0.42) J	ND(1.1)	ND(0.66)
Safrole		ND(0.42) J	ND(1.1)	ND(0.69)
Thionazin		ND(0.42)	NA	ND(0.80)

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	PDI 3B-A9-9 3B-A9-9 1-3 11/16/04	EPA RB021626 H2-RB021626-0-0000 0-0.5 11/02/98	Historical I7-3-6C-15 I7-3-6C-15 0-0.5 09/21/94
Organochlorine Pesticides				
4,4'-DDD		NA	ND(0.89)	ND(0.90)
4,4'-DDE		NA	ND(0.89)	ND(0.49)
4,4'-DDT		NA	ND(0.89)	ND(0.90)
Aldrin		NA	ND(0.45)	ND(0.23)
Alpha-BHC		NA	ND(0.45)	ND(0.23)
Beta-BHC		NA	ND(0.45)	ND(0.45)
Delta-BHC		NA	ND(0.45)	ND(0.68)
Dieldrin		NA	ND(0.89)	ND(2.3)
Endosulfan I		NA	ND(0.45)	ND(1.1)
Endosulfan II		NA	ND(0.89)	ND(0.23)
Endosulfan Sulfate		NA	ND(0.89)	ND(4.5)
Endrin		NA	ND(0.89)	ND(1.5)
Endrin Aldehyde		NA	ND(0.89)	ND(1.8)
Gamma-BHC (Lindane)		NA	ND(0.45)	ND(0.23)
Heptachlor		NA	ND(0.45)	ND(0.23)
Heptachlor Epoxide		NA	ND(0.45)	ND(6.8)
Kepone		NA	R	NA
Methoxychlor		NA	ND(4.5)	ND(14)
Technical Chlordane		NA	ND(4.5)	ND(1.1)
Toxaphene		NA	ND(45)	ND(18)
Organophosphate Pesticides				
Dimethoate		NA	NA	0.016 BP
Disulfoton		NA	NA	ND(0.012)
Ethyl Parathion		NA	NA	ND(0.012)
Famphur		NA	NA	ND(0.012)
Methyl Parathion		NA	NA	ND(0.012)
Phorate		NA	NA	ND(0.012)
Sulfotep		NA	NA	ND(0.012)
Herbicides				
2,4,5-T		NA	NA	ND(0.30)
2,4,5-TP		NA	NA	ND(0.30)
2,4-D		NA	NA	ND(1.2)
Dinoseb		NA	ND(1.1)	ND(0.096)
Furans				
2,3,7,8-TCDF		0.000045 Y	0.000018	0.00023
TCDFs (total)		0.00094 QI	0.00018 J	0.00023
1,2,3,7,8-PeCDF		0.00053	0.0000098	ND(0.00011)
2,3,4,7,8-PeCDF		ND(0.000041)	0.000019	ND(0.00011)
PeCDFs (total)		0.0012 Q	0.00020 J	0.00066
1,2,3,4,7,8-HxCDF		0.00030	0.000025	ND(0.00013)
1,2,3,6,7,8-HxCDF		0.000020	0.0000099	ND(0.000099)
1,2,3,7,8,9-HxCDF		0.000012 Q	0.0000039	ND(0.00024)
2,3,4,6,7,8-HxCDF		0.000024	0.0000084	ND(0.00018)
HxCDFs (total)		0.00084 Q	0.00021 J	0.00027
1,2,3,4,6,7,8-HpCDF		0.00034	0.00015 J	0.00023
1,2,3,4,7,8,9-HpCDF		0.000034	0.000012	ND(0.00020)
HpCDFs (total)		0.00063	0.00029 J	0.00047
OCDF		0.00026	0.00015	ND(0.00038)
Dioxins				
2,3,7,8-TCDD		0.0000014 J	0.00000048 J	ND(0.000080)
TCDDs (total)		0.000023 Q	0.0000094	ND(0.000080)
1,2,3,7,8-PeCDD		ND(0.000014) X	0.0000011 J	ND(0.00014)
PeCDDs (total)		0.000046 Q	0.0000074 J	ND(0.00014)
1,2,3,4,7,8-HxCDD		0.000014	0.0000011 J	ND(0.00023)
1,2,3,6,7,8-HxCDD		ND(0.000017) X	0.0000050 J	ND(0.00011)
1,2,3,7,8,9-HxCDD		0.000012	0.0000018 J	ND(0.00019)
HxCDDs (total)		0.00019	0.000029	ND(0.00018)
1,2,3,4,6,7,8-HpCDD		0.000080	0.000090	ND(0.00023)
HpCDDs (total)		0.00017	0.00016	ND(0.00023)
OCDD		0.00046	0.00093	0.00091
Total TEQs (WHO TEFs)		0.000093	0.000022	0.00023

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]:	PDI	EPA	Historical
Location ID:	3B-A9-9	RB021626	I7-3-6C-15
Sample ID:	3B-A9-9	H2-RB021626-0-0000	I7-3-6C-15
Sample Depth(Feet):	1-3	0-0.5	0-0.5
Date Collected:	11/16/04	11/02/98	09/21/94
Inorganics			
Aluminum	NA	NA	6070
Antimony	ND(6.00) J	ND(0.800)	0.270 BN
Arsenic	4.00	3.20	2.10
Barium	59.0	36.2	35.7
Beryllium	0.310 B	ND(0.180)	0.240
Cadmium	0.400 B	ND(0.0400)	ND(0.0400)
Calcium	NA	NA	9200
Chromium	8.40	14.1	13.1
Cobalt	5.00 B	8.50	6.80
Copper	60.0	28.3	27.9
Cyanide	0.240	ND(0.700)	ND(0.600)
Iron	NA	NA	14500
Lead	73.0	35.4 J	54.8
Magnesium	NA	NA	7390
Manganese	NA	NA	230
Mercury	0.320	0.0800	0.150 N
Nickel	10.0	12.9	11.9
Potassium	NA	NA	678
Selenium	ND(1.5) J	0.750 J	ND(0.340)
Silver	ND(1.00)	ND(0.160)	0.160 B
Sodium	NA	NA	ND(16.4)
Sulfide	8.20 J	ND(6.40)	NA
Thallium	ND(1.30)	0.990	ND(0.360)
Tin	ND(17.0)	2.70	14.1
Vanadium	14.0	11.7	10.5
Zinc	120	83.3 J	79.5

TABLE D-48
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE and EPA subcontractors and submitted for analysis of certain Appendix IX+3 constituents.
2. Data Types: PDI = GE Pre-Design Investigation soil sampling; EPA = United States Environmental Protection Agency soil sampling provided to GE under a Data Exchange Agreement between GE and EPA; Historical = GE Historical soil sampling.
3. PDI Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. NA - Not Analyzed.
6. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (volatiles, semivolatiles, pesticides, herbicides, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- J - Estimated Value.
- P - Greater than 25% difference between primary and confirmation collumn.
- Q - Indicates the presence of quantitative interferences.
- R - Rejected.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.
- Z - Coeluting isomers could not be chromatographically resolved in the sample.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- J - Estimated Value.
- N - Indicates sample matrix spike analysis was outside control limits.

TABLE D-49
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-3-6 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
1,2,3,4-Tetrachlorobenzene	0.088	16	No
1,2,3-Trichlorobenzene	0.044	480	No
1,2,4-Trichlorobenzene	0.2	480	No
1,3-Dichlorobenzene	0.065	41	No
1,4-Dichlorobenzene	0.58	3	No
1-Methylnaphthalene	0.041	55	No
2-Methylnaphthalene	0.28	55	No
Acenaphthene	0.78	2,600	No
Acenaphthylene	2.2	55	No
Anthracene	1.2	14,000	No
Benzo(a)anthracene	2.6	0.56	**Yes**
Benzo(a)pyrene	2.2	0.056	**Yes**
Benzo(b)fluoranthene	1.7	0.56	**Yes**
Benzo(g,h,i)perylene	1.4	55	No
Benzo(k)fluoranthene	2.1	5.6	No
Benzoic Acid	0.063	100,000	No
Chrysene	2.6	56	No
Dibenzo(a,h)anthracene	0.44	0.056	**Yes**
Dibenzofuran	0.46	210	No
Di-n-Butylphthalate	0.1	5,500	No
Fluoranthene	5.4	2,000	No
Fluorene	0.96	1,800	No
Indeno(1,2,3-cd)pyrene	1.6	0.56	**Yes**
Naphthalene	0.41	55	No
Pentachlorobenzene	0.11	44	No
Phenanthrene	4.2	55	No
Pyrene	6	1,500	No
Inorganics			
Antimony	3.4	30	No
Arsenic	8	0.38	**Yes**
Barium	59	5,200	No
Beryllium	0.33	150	No
Cadmium	0.4	37	No
Chromium	14.1	210	No
Cobalt	13	3,300	No
Copper	90	2,800	No
Cyanide	0.3	11	No
Lead	110	400	No
Mercury	0.32	22	No
Nickel	25	1,500	No
Selenium	1.9	370	No
Silver	0.27	370	No
Sulfide	150	350	No
Thallium	0.99	6	No
Tin	14.1	45,000	No
Vanadium	14	520	No
Zinc	120	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent Is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-50
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-6 (BACK) (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	RB021626 0-0.5 11/02/98	I7-3-6C-15 0-0.5 09/21/94	3B-A9-7 0-1 11/16/04	3B-A9-8 0-1 11/18/04	3B-A9-9 0-1 11/16/04
Semivolatile Organics					
Benzo(a)anthracene	2.6	0.79	0.29	0.24	1.4
Benzo(a)pyrene	2.2	0.76	0.14	**0.20**	0.72
Benzo(b)fluoranthene	1.7	1.1	0.30	**0.20**	0.74
Dibenzo(a,h)anthracene	0.44	0.072	**0.20**	**0.20**	**0.22**
Indeno(1,2,3-cd)pyrene	1.6	0.27	**0.20**	**0.20**	0.20
Dioxins/Furans					
Total TEQs (WHO TEFs)	0.000022	0.00023	0.000015	0.0000017	0.00011
Inorganics					
Arsenic	3.20	2.10	7.00	3.80	3.10

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	1.06	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.80	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.81	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.23	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.49	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	2.30E-04	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	3.84	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-51
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-6 (BACK) (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3B-A9-7 1-3 11/16/04	3B-A9-8 1-3 11/18/04	3B-A9-9 1-3 11/16/04	3B-A9-8 3-5 11/18/04
Semivolatile Organics				
Benzo(a)anthracene	0.28	1.2	0.60	2.5
Benzo(a)pyrene	0.24	1.3	0.38	1.6
Benzo(b)fluoranthene	0.30	0.84	0.39	0.97
Dibenzo(a,h)anthracene	**0.20**	0.25	**0.21**	**0.20**
Indeno(1,2,3-cd)pyrene	**0.20**	0.92	**0.21**	0.57
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.00000085	0.0000009	0.000093	0.00000085
Inorganics				
Arsenic	6.80	8.00	4.00	4.00

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	1.15	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.88	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.63	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.22	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.48	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	9.30E-05	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	5.70	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

I7-3-7 (BACK)

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TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:					
	PDI / 3B-A9-10 / 3B-A9-10 / 0-1 / 11/18/04	PDI / 3B-A9-10 / 3B-A9-10 / 1-3 / 11/18/04	PDI / 3B-A9-10 / 3B-A9-10 / 3-5 / 11/18/04	PDI / 3B-A9-11 / 3B-A9-11 / 0-1 / 11/16/04	PDI / 3B-A9-11 / 3B-A9-11 / 1-3 / 11/16/04
Volatile Organics					
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA
1,4-Dioxane	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA
2-Chloroethylvinylether	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA
3-Chloropropene	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA
Acetonitrile	NA	NA	NA	NA	NA
Acrolein	NA	NA	NA	NA	NA
Acrylonitrile	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA
Iodomethane	NA	NA	NA	NA	NA
Isobutanol	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA
Methacrylonitrile	NA	NA	NA	NA	NA
Methyl Methacrylate	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA
Propionitrile	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA
Vinyl Acetate	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	NA	NA
Semivolatile Organics					
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
1,2,4-Trichlorobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
1,2-Dichlorobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	PDI	PDI	PDI	PDI	PDI
Location ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
Sample ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
Sample Depth(Feet):	0-1	1-3	3-5	0-1	1-3
Date Collected:	11/18/04	11/18/04	11/18/04	11/16/04	11/16/04
Semivolatile Organics (continued)					
1,2-Diphenylhydrazine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
1,3-Dichlorobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
1,3-Dinitrobenzene	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
1,4-Dichlorobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
1,4-Naphthoquinone	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
1-Chloronaphthalene	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76) J	ND(0.75) J [ND(0.75) J]
2,3,4,6-Tetrachlorophenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2,4,5-Trichlorophenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2,4,6-Trichlorophenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2,4-Dichlorophenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2,4-Dimethylphenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2,4-Dinitrophenol	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.0)	ND(1.9)	ND(1.9) [ND(1.9)]
2,4-Dinitrotoluene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2,6-Dichlorophenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2,6-Dinitrotoluene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2-Acetylaminofluorene	ND(0.80) J [ND(0.79) J]	ND(0.83) J	ND(0.78) J	ND(0.76)	ND(0.75) [ND(0.75)]
2-Chloronaphthalene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2-Chlorophenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2-Methylnaphthalene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.10 J	ND(0.37) [ND(0.37)]
2-Methylphenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
2-Naphthylamine	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
2-Nitroaniline	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.0)	ND(1.9) J	ND(1.9) J [ND(1.9) J]
2-Nitrophenol	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
2-Picoline	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
3&4-Methylphenol	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
3,3'-Dichlorobenzidine	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
3-Methylcholanthrene	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
3-Nitroaniline	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.0)	ND(1.9) J	ND(1.9) J [ND(1.9) J]
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.40) J [ND(0.39) J]	ND(0.41) J	ND(0.39) J	ND(0.38) J	ND(0.37) J [ND(0.37) J]
4-Aminobiphenyl	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
4-Bromophenyl-phenylether	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
4-Chloro-3-Methylphenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
4-Chloroaniline	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
4-Chlorobenzilate	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
4-Chlorophenyl-phenylether	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
4-Methylphenol	NA	NA	NA	NA	NA
4-Nitroaniline	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.0)	ND(1.9)	ND(1.9) [ND(1.9)]
4-Nitrophenol	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.0)	ND(1.9)	ND(1.9) [ND(1.9)]
4-Nitroquinoline-1-oxide	ND(0.80) J [ND(0.79) J]	ND(0.83) J	ND(0.78) J	ND(0.76) J	ND(0.75) J [ND(0.75) J]
4-Phenylenediamine	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
5-Nitro-o-toluidine	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
7,12-Dimethylbenz(a)anthracene	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
a,a'-Dimethylphenethylamine	ND(0.80) J [ND(0.79)]	ND(0.83) J	ND(0.78) J	ND(0.76)	ND(0.75) [ND(0.75)]
Acenaphthene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.13 J	0.85 [ND(0.37)]
Acenaphthylene	0.23 J [ND(0.39)]	0.21 J	ND(0.39)	0.72	0.48 [0.40]
Acetophenone	ND(0.40) J [ND(0.39)]	ND(0.41) J	ND(0.39) J	ND(0.38)	ND(0.37) [ND(0.37)]
Aniline	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Anthracene	ND(0.40) [0.19 J]	ND(0.41)	ND(0.39)	0.53	0.47 [0.29 J]
Aramite	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
Azobenzene	NA	NA	NA	NA	NA
Benzal chloride	NA	NA	NA	NA	NA
Benzidine	ND(0.80) [ND(0.79) J]	ND(0.83)	ND(0.78)	ND(0.76) J	ND(0.75) J [ND(0.75) J]
Benzo(a)anthracene	0.26 J [0.32 J]	0.24 J	ND(0.39)	1.7	1.6 [1.2]
Benzo(a)pyrene	ND(0.40) [0.19 J]	ND(0.41)	ND(0.39)	1.2	1.0 [0.69]
Benzo(b)fluoranthene	ND(0.40) [0.29 J]	ND(0.41)	ND(0.39)	0.79	0.68 [0.55]
Benzo(g,h,i)perylene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.50	0.43 [0.26 J]
Benzo(k)fluoranthene	ND(0.40) [0.11 J]	ND(0.41)	ND(0.39)	0.81	0.82 [0.60]
Benzoic Acid	NA	NA	NA	NA	NA
Benzotrichloride	NA	NA	NA	NA	NA
Benzyl Alcohol	ND(0.80) J [ND(0.79) J]	ND(0.83) J	ND(0.78) J	ND(0.76) J	ND(0.75) J [ND(0.75) J]
Benzyl Chloride	NA	NA	NA	NA	NA

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	PDI	PDI	PDI	PDI	PDI
Location ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
Sample ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
Sample Depth(Feet):	0-1	1-3	3-5	0-1	1-3
Date Collected:	11/18/04	11/18/04	11/18/04	11/16/04	11/16/04
Semivolatile Organics (continued)					
bis(2-Chloroethoxy)methane	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
bis(2-Chloroethyl)ether	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
bis(2-Chloroisopropyl)ether	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
bis(2-Ethylhexyl)phthalate	ND(0.39) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.37)	ND(0.37) [ND(0.37)]
Butylbenzylphthalate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.48	ND(0.37) [ND(0.37)]
Chrysene	0.12 J [0.21 J]	ND(0.41)	ND(0.39)	1.4	1.2 [0.89]
Cyclophosphamide	NA	NA	NA	NA	NA
Diallate	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
Diallate (cis isomer)	NA	NA	NA	NA	NA
Diallate (trans isomer)	NA	NA	NA	NA	NA
Dibenz(a,j)acridine	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.10 J	ND(0.37) [0.079 J]
Dibenzofuran	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.10 J	ND(0.37) [ND(0.37)]
Diethylphthalate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Dimethoate	NA	NA	NA	NA	NA
Dimethylphthalate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Di-n-Butylphthalate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Di-n-Octylphthalate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Diphenylamine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Ethyl Methacrylate	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Famphur	NA	NA	NA	NA	NA
Fluoranthene	0.14 J [0.28 J]	ND(0.41)	ND(0.39)	2.7	2.3 [1.5]
Fluorene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.14 J	ND(0.37) [ND(0.37)]
Hexachlorobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38) J	ND(0.37) J [ND(0.37) J]
Hexachlorobutadiene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Hexachlorocyclopentadiene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Hexachloroethane	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Hexachlorophene	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
Hexachloropropene	ND(0.40) [ND(0.39) J]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Indeno(1,2,3-cd)pyrene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.39	0.34 J [0.26 J]
Isodrin	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Isophorone	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Isosafrole	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
Methapyrilene	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
Methyl Methanesulfonate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Naphthalene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.18 J	ND(0.37) [ND(0.37)]
Nitrobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
N-Nitrosodiethylamine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
N-Nitrosodimethylamine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
N-Nitroso-di-n-butylamine	ND(0.80) J [ND(0.79) J]	ND(0.83) J	ND(0.78) J	ND(0.76) J	ND(0.75) J [ND(0.75) J]
N-Nitroso-di-n-propylamine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
N-Nitrosodiphenylamine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
N-Nitrosomethylethylamine	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
N-Nitrosomorpholine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
N-Nitrosopiperidine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
N-Nitrosopyrrolidine	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
o,o,o-Triethylphosphorothioate	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
o-Toluidine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Paraldehyde	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
Pentachlorobenzene	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	0.64	ND(0.37) [ND(0.37)]
Pentachloroethane	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Pentachloronitrobenzene	ND(0.80) [ND(0.79)]	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.75) [ND(0.75)]
Pentachlorophenol	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.0)	ND(1.9)	ND(1.9) [ND(1.9)]
Phenacetin	ND(0.80) J [ND(0.79)]	ND(0.83) J	ND(0.78) J	ND(0.76) J	ND(0.75) J [ND(0.75) J]
Phenanthrene	ND(0.40) [0.12 J]	ND(0.41)	ND(0.39)	1.2	0.68 [0.43]
Phenol	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Pronamide	ND(0.40) [ND(0.39) J]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]
Pyrene	0.17 J [0.34 J]	ND(0.41)	ND(0.39)	2.2	1.6 [1.2]
Pyridine	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38) J	ND(0.37) J [ND(0.37) J]
Safrole	ND(0.40) J [ND(0.39) J]	ND(0.41) J	ND(0.39) J	ND(0.38) J	ND(0.37) J [ND(0.37) J]
Thionazin	ND(0.40) [ND(0.39)]	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.37)]

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:					
	Data Type [2]:	PDI	PDI	PDI	PDI	PDI
	Location ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
	Sample ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
	Sample Depth(Feet):	0-1	1-3	3-5	0-1	1-3
	Date Collected:	11/18/04	11/18/04	11/18/04	11/16/04	11/16/04
Organochlorine Pesticides						
4,4'-DDD		NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA
Aldrin		NA	NA	NA	NA	NA
Alpha-BHC		NA	NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA	NA
Endrin		NA	NA	NA	NA	NA
Endrin Aldehyde		NA	NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA	NA
Kepone		NA	NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA	NA
Technical Chlordane		NA	NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA	NA
Organophosphate Pesticides						
Dimethoate		NA	NA	NA	NA	NA
Disulfoton		NA	NA	NA	NA	NA
Ethyl Parathion		NA	NA	NA	NA	NA
Famphur		NA	NA	NA	NA	NA
Methyl Parathion		NA	NA	NA	NA	NA
Phorate		NA	NA	NA	NA	NA
Sulfotep		NA	NA	NA	NA	NA
Herbicides						
2,4,5-T		NA	NA	NA	NA	NA
2,4,5-TP		NA	NA	NA	NA	NA
2,4-D		NA	NA	NA	NA	NA
Dinoseb		NA	NA	NA	NA	NA
Furans						
2,3,7,8-TCDF		0.0000020 J [0.0000014 J]	0.0000023 YJ	ND(0.00000022)	0.000087 Y	0.000036 Y [0.000028 Y]
TCDFs (total)		0.000016 [0.000015]	0.000034	0.00000071 J	0.0022 Q	0.00035 Q [0.00026 QJ]
1,2,3,7,8-PeCDF		0.0000023 J [ND(0.0000025) X]	0.000016	0.0000010 J	0.0011	0.00015 J [0.000055 J]
2,3,4,7,8-PeCDF		0.0000019 J [0.0000017 J]	ND(0.0000022)	ND(0.00000055)	0.000076	0.000032 [0.000025]
PeCDFs (total)		0.000018 [0.000018]	0.000055	0.0000032 J	0.0022 Q	0.00043 Q [0.00030 Q]
1,2,3,4,7,8-HxCDF		0.0000019 J [0.0000025 J]	0.0000084	ND(0.00000055)	0.00015	0.00010 J [0.000059 J]
1,2,3,6,7,8-HxCDF		0.00000073 J [0.00000073 J]	0.00000091 J	ND(0.00000055)	0.000043	0.000012 [0.000011]
1,2,3,7,8,9-HxCDF		ND(0.00000067) [ND(0.00000056)]	ND(0.00000066)	ND(0.00000055)	ND(0.000018) Q	ND(0.0000054) Q [0.0000055 JQ]
2,3,4,6,7,8-HxCDF		0.00000096 J [0.00000092 J]	0.0000010 J	ND(0.00000055)	0.000035	0.000012 [0.0000095]
HxCDFs (total)		0.000017 [0.000017]	0.000028	0.00000056 J	0.0011 Q	0.00024 Q [0.00022 Q]
1,2,3,4,6,7,8-HpCDF		0.0000053 J [0.0000049 J]	0.0000056 J	ND(0.00000055)	0.00024	0.000053 [0.000048]
1,2,3,4,7,8,9-HpCDF		ND(0.00000057) [ND(0.00000056)]	0.00000074 J	ND(0.00000055)	0.000062	0.000014 [0.000014]
HpCDFs (total)		0.000011 [0.000010]	0.000011	ND(0.00000055)	0.00056	0.00012 [0.00012]
OCDF		0.0000090 J [0.0000068 J]	0.0000058 J	ND(0.0000011)	0.00066	0.00012 [0.00012]
Dioxins						
2,3,7,8-TCDD		ND(0.00000028) [ND(0.00000022)]	ND(0.00000025)	ND(0.00000022)	0.0000011 J	0.00000071 J [ND(0.00000045) X]
TCDDs (total)		ND(0.00000072) [ND(0.00000067)]	ND(0.00000071)	ND(0.00000067)	0.0000097 Q	0.0000022 [0.00000083 JQ]
1,2,3,7,8-PeCDD		ND(0.00000057) [ND(0.00000056)]	ND(0.00000062)	ND(0.00000055)	ND(0.000011)	ND(0.0000018) X [ND(0.0000020) X]
PeCDDs (total)		0.00000069 J [ND(0.00000056)]	0.0000015 J	ND(0.00000055)	0.000013 Q	0.0000026 JQ [0.0000024 JQ]
1,2,3,4,7,8-HxCDD		ND(0.00000057) [ND(0.00000056)]	ND(0.00000062)	ND(0.00000055)	0.0000047 J	ND(0.0000014) [ND(0.0000014) X]
1,2,3,6,7,8-HxCDD		ND(0.00000057) [ND(0.00000056)]	ND(0.00000062)	ND(0.00000055)	ND(0.0000085) X	ND(0.0000023) X [ND(0.0000027) X]
1,2,3,7,8,9-HxCDD		ND(0.00000057) [ND(0.00000056)]	ND(0.00000062)	ND(0.00000055)	0.0000054 J	0.0000016 J [ND(0.0000029) X]
HxCDDs (total)		0.0000018 J [0.0000012 J]	0.0000031 J	ND(0.00000086)	0.000048	0.000024 J [0.000013 J]
1,2,3,4,6,7,8-HpCDD		0.0000088 [0.0000080]	0.0000037 J	ND(0.00000055)	0.000082	0.000023 [0.000023]
HpCDDs (total)		0.000017 [0.000016]	0.0000069	ND(0.00000055)	0.00015	0.000045 [0.000043]
OCDD		0.000077 [0.000067]	0.000026	0.0000021 J	0.00075	0.00019 [0.00018]
Total TEQs (WHO TEFs)		0.0000023 [0.0000021]	0.0000033	0.00000078	0.00014	0.000043 [0.000029]

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [a]:	PDI	PDI	PDI	PDI	PDI
Location ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
Sample ID:	3B-A9-10	3B-A9-10	3B-A9-10	3B-A9-11	3B-A9-11
Sample Depth(Feet):	0-1	1-3	3-5	0-1	1-3
Date Collected:	11/18/04	11/18/04	11/18/04	11/16/04	11/16/04
Inorganics					
Aluminum	NA	NA	NA	NA	NA
Antimony	ND(6.00) [ND(6.00)]	ND(6.00)	ND(6.00)	ND(6.00) J	0.810 J [ND(6.00) J]
Arsenic	4.20 [4.70]	3.40	5.00	2.10	4.00 [4.40]
Barium	44.0 [42.0]	28.0	18.0 B	22.0	24.0 [28.0]
Beryllium	0.340 B [0.320 B]	0.320 B	0.440 B	0.220 B	0.250 B [0.250 B]
Cadmium	0.0910 B [0.0810 B]	ND(0.500)	ND(0.500)	0.240 B	0.190 B [0.220 B]
Calcium	NA	NA	NA	NA	NA
Chromium	12.0 [9.70]	7.70	9.30	8.90	7.70 [8.60]
Cobalt	8.80 [8.40]	6.00	9.40	5.50	6.80 [6.90]
Copper	16.0 [17.0]	6.60	9.70	23.0	22.0 [24.0]
Cyanide	0.0880 B [0.100 B]	0.0660 B	ND(0.120)	0.160	0.120 [0.120]
Iron	NA	NA	NA	NA	NA
Lead	17.0 [22.0]	8.10	8.50	39.0	24.0 [27.0]
Magnesium	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA
Mercury	0.0150 B [0.0170 B]	ND(0.120)	ND(0.120)	0.190	0.0430 B [0.0480 B]
Nickel	15.0 [14.0]	11.0	16.0	9.60	11.0 [12.0]
Potassium	NA	NA	NA	NA	NA
Selenium	1.40 [1.20]	0.980 B	1.20	ND(1.6) J	ND(1.5) J [ND(1.4) J]
Silver	0.140 B [ND(1.00)]	ND(1.00)	ND(1.00)	0.200 B	ND(1.00) [0.140 B]
Sodium	NA	NA	NA	NA	NA
Sulfide	23.0 J [100 J]	7.90 J	7.50 J	7.20 J	96.0 J [29.0 J]
Thallium	ND(1.20) J [ND(1.20) J]	ND(1.20) J	ND(1.20) J	ND(1.10)	ND(1.10) [ND(1.10)]
Tin	ND(10.0) [ND(10.0)]	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0) [ND(10.0)]
Vanadium	14.0 [11.0]	10.0	8.80	7.50	6.80 [7.40]
Zinc	52.0 [46.0]	32.0	32.0	65.0	51.0 [55.0]

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	PDI	PDI	PDI	PDI	PDI	EPA
Location ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	RB021605
Sample ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	H2-RB021605-0-0010
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	1-1.5
Date Collected:	11/16/04	11/16/04	11/17/04	11/17/04	11/17/04	11/02/98
Volatile Organics						
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethylvinylether	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA
3-Chloropropene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Acetonitrile	NA	NA	NA	NA	NA	NA
Acrolein	NA	NA	NA	NA	NA	NA
Acrylonitrile	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA
Iodomethane	NA	NA	NA	NA	NA	NA
Isobutanol	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA
Methacrylonitrile	NA	NA	NA	NA	NA	NA
Methyl Methacrylate	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA
Propionitrile	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA
Vinyl Acetate	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	NA	NA	NA
Semivolatile Organics						
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.37) J	ND(0.38)	ND(0.37)	ND(0.37)	0.029 J
1,2-Dichlorobenzene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]:	PDI	PDI	PDI	PDI	PDI	EPA
Location ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	RB021605
Sample ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	H2-RB021605-0-0010
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	1-1.5
Date Collected:	11/16/04	11/16/04	11/17/04	11/17/04	11/17/04	11/02/98
Semivolatile Organics (continued)						
1,2-Diphenylhydrazine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	NA
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
1,3-Dichlorobenzene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
1,3-Dinitrobenzene	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
1,4-Dichlorobenzene	ND(0.40)	ND(0.37) J	ND(0.38)	ND(0.37)	ND(0.37)	0.035 J
1,4-Naphthoquinone	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
2,3,4,6-Tetrachlorophenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2,4,5-Trichlorophenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(1.0)
2,4,6-Trichlorophenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2,4-Dichlorophenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2,4-Dimethylphenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2,4-Dinitrophenol	ND(2.0)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.0)
2,4-Dinitrotoluene	ND(0.40)	ND(0.37) J	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2,6-Dichlorophenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2,6-Dinitrotoluene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2-Acetylaminofluorene	ND(0.80)	ND(0.75)	ND(0.76) J	ND(0.74)	ND(0.74)	ND(0.41)
2-Chloronaphthalene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2-Chlorophenol	ND(0.40)	ND(0.37) J	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2-Methylnaphthalene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.048 J
2-Methylphenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
2-Naphthylamine	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
2-Nitroaniline	ND(2.0) J	ND(1.9) J	ND(1.9)	ND(1.9) J	ND(1.9) J	ND(1.0)
2-Nitrophenol	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
2-Picoline	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
3&4-Methylphenol	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	NA
3,3'-Dichlorobenzidine	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74) J	ND(0.74) J	ND(0.41)
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41) J
3-Methylcholanthrene	ND(0.80) J	ND(0.75) J	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
3-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.0)
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.40) J	ND(0.37) J	ND(0.38) J	ND(0.37) J	ND(0.37) J	ND(1.0)
4-Aminobiphenyl	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
4-Bromophenyl-phenylether	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
4-Chloro-3-Methylphenol	ND(0.40)	ND(0.37) J	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
4-Chloroaniline	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
4-Chlorobenzilate	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
4-Chlorophenyl-phenylether	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
4-Methylphenol	NA	NA	NA	NA	NA	ND(0.41)
4-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.0)
4-Nitrophenol	ND(2.0)	R	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.0)
4-Nitroquinoline-1-oxide	ND(0.80) J	ND(0.75) J	ND(0.76) J	ND(0.74) J	ND(0.74) J	ND(0.41)
4-Phenylenediamine	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
5-Nitro-o-toluidine	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
7,12-Dimethylbenz(a)anthracene	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
a,a'-Dimethylphenethylamine	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Acenaphthene	ND(0.40)	ND(0.37) J	ND(0.38)	ND(0.37)	ND(0.37)	0.050 J
Acenaphthylene	ND(0.40)	ND(0.37)	0.26 J	ND(0.37)	ND(0.37)	0.057 J
Acetophenone	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Aniline	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(1.0)
Anthracene	ND(0.40)	ND(0.37)	0.19 J	ND(0.37)	ND(0.37)	0.18 J
Aramite	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Azobenzene	NA	NA	NA	NA	NA	ND(0.41)
Benzal chloride	NA	NA	NA	NA	NA	NA
Benzidine	ND(0.80)	ND(0.75)	ND(0.76) J	ND(0.74) J	ND(0.74) J	NA
Benzo(a)anthracene	ND(0.40)	ND(0.37)	0.36 J	ND(0.37)	ND(0.37)	0.74
Benzo(a)pyrene	ND(0.40)	ND(0.37)	0.17 J	ND(0.37)	ND(0.37)	0.68
Benzo(b)fluoranthene	ND(0.40)	ND(0.37)	0.26 J	ND(0.37)	ND(0.37)	0.49
Benzo(g,h,i)perylene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.39 J
Benzo(k)fluoranthene	ND(0.40)	ND(0.37)	0.13 J	ND(0.37)	ND(0.37)	0.64
Benzoic Acid	NA	NA	NA	NA	NA	NA
Benzotrichloride	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ND(0.80) J	ND(0.75) J	ND(0.76) J	ND(0.74) J	ND(0.74) J	ND(0.41)
Benzyl Chloride	NA	NA	NA	NA	NA	NA

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	PDI	PDI	PDI	PDI	PDI	EPA
Location ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	RB021605
Sample ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	H2-RB021605-0-0010
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	1-1.5
Date Collected:	11/16/04	11/16/04	11/17/04	11/17/04	11/17/04	11/02/98
Semivolatile Organics (continued)						
bis(2-Chloroethoxy)methane	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
bis(2-Chloroethyl)ether	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
bis(2-Chloroisopropyl)ether	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
bis(2-Ethylhexyl)phthalate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.088)
Butylbenzylphthalate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Chrysene	ND(0.40)	ND(0.37)	0.18 J	ND(0.37)	ND(0.37)	0.77
Cyclophosphamide	NA	NA	NA	NA	NA	NA
Diallate	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Diallate (cis isomer)	NA	NA	NA	NA	NA	NA
Diallate (trans isomer)	NA	NA	NA	NA	NA	NA
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.15 J
Dibenzofuran	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.045 J
Diethylphthalate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Dimethoate	NA	NA	NA	NA	NA	NA
Dimethylphthalate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Di-n-Butylphthalate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.21)
Di-n-Octylphthalate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Diphenylamine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Famphur	NA	NA	NA	NA	NA	NA
Fluoranthene	ND(0.40)	ND(0.37)	0.31 J	ND(0.37)	ND(0.37)	1.4
Fluorene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.12 J
Hexachlorobenzene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Hexachlorobutadiene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Hexachlorocyclopentadiene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Hexachloroethane	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Hexachlorophene	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	NA
Hexachloropropene	ND(0.40) J	ND(0.37) J	ND(0.38) J	ND(0.37)	ND(0.37)	ND(0.41)
Indeno(1,2,3-cd)pyrene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.53
Isodrin	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.42)
Isophorone	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Isosafrole	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Methapyrilene	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Methyl Methanesulfonate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Naphthalene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.10 J
Nitrobenzene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
N-Nitrosodiethylamine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
N-Nitrosodimethylamine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
N-Nitroso-di-n-butylamine	ND(0.80)	ND(0.75)	ND(0.76) J	ND(0.74)	ND(0.74)	ND(0.41)
N-Nitroso-di-n-propylamine	ND(0.40)	ND(0.37) J	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
N-Nitrosodiphenylamine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
N-Nitrosomethylethylamine	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
N-Nitrosomorpholine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
N-Nitrosopiperidine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
N-Nitrosopyrrolidine	ND(0.80) J	ND(0.75) J	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
o,o,o-Triethylphosphorothioate	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	NA
o-Toluidine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Paraldehyde	NA	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.80) J	ND(0.75) J	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Pentachlorobenzene	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	0.057 J
Pentachloroethane	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Pentachloronitrobenzene	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Pentachlorophenol	ND(2.0)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.0)
Phenacetin	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.74)	ND(0.74)	ND(0.41)
Phenanthrene	ND(0.40)	ND(0.37)	0.086 J	ND(0.37)	ND(0.37)	0.84
Phenol	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Pronamide	ND(0.40)	ND(0.37)	ND(0.38) J	ND(0.37)	ND(0.37)	ND(0.41)
Pyrene	ND(0.40)	ND(0.37) J	0.33 J	ND(0.37)	ND(0.37)	1.5
Pyridine	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.41)
Safrole	ND(0.40) J	ND(0.37) J	ND(0.38) J	ND(0.37) J	ND(0.37) J	ND(0.41)
Thionazin	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)	NA

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]:	PDI	PDI	PDI	PDI	PDI	EPA
Location ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	RB021605
Sample ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	H2-RB021605-0-0010
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	1-1.5
Date Collected:	11/16/04	11/16/04	11/17/04	11/17/04	11/17/04	11/02/98
Organochlorine Pesticides						
4,4'-DDD	NA	NA	NA	NA	NA	ND(0.84)
4,4'-DDE	NA	NA	NA	NA	NA	ND(0.84)
4,4'-DDT	NA	NA	NA	NA	NA	ND(0.84)
Aldrin	NA	NA	NA	NA	NA	ND(0.42)
Alpha-BHC	NA	NA	NA	NA	NA	ND(0.42)
Beta-BHC	NA	NA	NA	NA	NA	ND(0.42)
Delta-BHC	NA	NA	NA	NA	NA	ND(0.42)
Dieldrin	NA	NA	NA	NA	NA	ND(0.84)
Endosulfan I	NA	NA	NA	NA	NA	ND(0.42)
Endosulfan II	NA	NA	NA	NA	NA	ND(0.84)
Endosulfan Sulfate	NA	NA	NA	NA	NA	ND(0.84)
Endrin	NA	NA	NA	NA	NA	ND(0.84)
Endrin Aldehyde	NA	NA	NA	NA	NA	ND(0.84)
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	ND(0.42)
Heptachlor	NA	NA	NA	NA	NA	ND(0.42)
Heptachlor Epoxide	NA	NA	NA	NA	NA	ND(0.42)
Kepone	NA	NA	NA	NA	NA	R
Methoxychlor	NA	NA	NA	NA	NA	ND(4.2)
Technical Chlordane	NA	NA	NA	NA	NA	ND(4.2)
Toxaphene	NA	NA	NA	NA	NA	ND(42)
Organophosphate Pesticides						
Dimethoate	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA
Herbicides						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	ND(0.41)
Furans						
2,3,7,8-TCDF	0.00000053 YJ	ND(0.00000056) X	0.0000085 Y	0.00000030 J	ND(0.00000021)	0.000034
TCDFs (total)	0.0000051	0.0000058	0.00021 Q	0.00000030 J	ND(0.00000021)	0.00025 J
1,2,3,7,8-PeCDF	0.0000033 J	0.000012	0.000078	ND(0.00000053)	ND(0.00000048)	0.000018
2,3,4,7,8-PeCDF	0.00000077 J	ND(0.00000054)	0.000011	ND(0.00000053)	ND(0.00000048)	0.000032
PeCDFs (total)	0.000011	0.000032	0.00033 Q	0.000014	ND(0.00000048)	0.00034 J
1,2,3,4,7,8-HxCDF	ND(0.0000013) X	0.0000034 J	0.000058	0.00000070 J	ND(0.00000048)	0.000041
1,2,3,6,7,8-HxCDF	ND(0.00000056)	ND(0.00000055)	0.000010	ND(0.00000053)	ND(0.00000048)	0.000019
1,2,3,7,8,9-HxCDF	ND(0.00000063)	ND(0.00000074)	0.0000068 Q	ND(0.00000053)	ND(0.00000048)	0.0000069
2,3,4,6,7,8-HxCDF	ND(0.00000056)	ND(0.00000062)	0.000016	ND(0.00000053)	ND(0.00000048)	0.000015
HxCDFs (total)	0.0000044 J	0.0000070	0.00033 Q	0.0000066	ND(0.00000048)	0.00027 J
1,2,3,4,6,7,8-HpCDF	0.0000019 J	0.00000089 J	0.00011	0.0000016 J	ND(0.00000048)	0.00014 J
1,2,3,4,7,8,9-HpCDF	ND(0.00000056)	ND(0.00000054)	0.000021	ND(0.00000053)	ND(0.00000048)	0.000029
HpCDFs (total)	0.0000041 J	0.0000016 J	0.00025	0.0000030 J	ND(0.00000048)	0.00032 J
OCDF	0.0000032 J	ND(0.0000011)	0.00013	0.0000013 J	ND(0.00000096)	0.00026
Dioxins						
2,3,7,8-TCDD	ND(0.00000022)	ND(0.00000032)	ND(0.00000063) X	ND(0.00000026)	ND(0.00000025)	0.00000060
TCDDs (total)	ND(0.00000071)	ND(0.00000032)	0.0000057	ND(0.00000042)	ND(0.00000038)	0.0000058
1,2,3,7,8-PeCDD	ND(0.00000056)	ND(0.00000054)	ND(0.0000068) X	ND(0.00000053)	ND(0.00000048)	0.0000015 J
PeCDDs (total)	ND(0.0000011)	ND(0.00000054)	0.000038 Q	ND(0.00000065)	ND(0.00000060)	0.0000097 J
1,2,3,4,7,8-HxCDD	ND(0.00000056)	ND(0.00000054)	0.0000058	ND(0.00000053)	ND(0.00000048)	0.0000018
1,2,3,6,7,8-HxCDD	ND(0.00000056)	ND(0.00000054)	0.0000066	ND(0.00000053)	ND(0.00000048)	0.0000047
1,2,3,7,8,9-HxCDD	ND(0.00000056)	ND(0.00000054)	0.0000058	ND(0.00000053)	ND(0.00000048)	0.0000023
HxCDDs (total)	ND(0.00000056)	ND(0.0000011)	0.00010	ND(0.00000070)	ND(0.00000060)	0.000038
1,2,3,4,6,7,8-HpCDD	0.0000056	0.00000064 J	0.000054	0.00000083 J	0.00000050 J	0.00011
HpCDDs (total)	0.000011	0.0000013 J	0.00011	0.0000016 J	0.00000050 J	0.00019
OCDD	0.000047	0.0000051 J	0.00039	0.0000068 J	ND(0.0000026)	0.0011
Total TEQs (WHO TEFs)	0.0000013	0.0000017	0.000027	0.00000083	0.00000069	0.000034

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES,
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]:	PDI	PDI	PDI	PDI	PDI	EPA
Location ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	RB021605
Sample ID:	3B-A9-12	3B-A9-12	3B-A9-13	3B-A9-13	3B-A9-13	H2-RB021605-0-0010
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	1-1.5
Date Collected:	11/16/04	11/16/04	11/17/04	11/17/04	11/17/04	11/02/98
Inorganics						
Aluminum	NA	NA	NA	NA	NA	NA
Antimony	ND(6.00) J	ND(6.00) J	ND(6.00)	ND(6.00)	ND(6.00)	ND(0.690)
Arsenic	4.10	1.60	3.10	1.90	2.20	2.00
Barium	47.0	25.0	30.0	19.0 B	18.0 B	21.5
Beryllium	0.430 B	0.270 B	0.260 B	0.230 B	0.170 B	ND(0.110)
Cadmium	0.260 B	0.110 B	0.0910 B	ND(0.500)	ND(0.500)	ND(0.0300)
Calcium	NA	NA	NA	NA	NA	NA
Chromium	12.0	4.90	9.50	6.00	4.80	9.50
Cobalt	10.0	4.80 B	6.60	6.20	5.80	6.00
Copper	18.0	6.20	17.0	6.30	8.80	17.2
Cyanide	0.0870 B	ND(0.110)	0.0630 B	0.0340 B	ND(0.110)	ND(0.630)
Iron	NA	NA	NA	NA	NA	NA
Lead	11.0	4.50	23.0	4.00	4.00	21.7 J
Magnesium	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA
Mercury	ND(0.120)	ND(0.110)	0.0230 B	ND(0.110)	ND(0.110)	0.0500
Nickel	17.0	7.80	11.0	10.0	9.50	10.1
Potassium	NA	NA	NA	NA	NA	NA
Selenium	ND(1.6) J	ND(1.2) J	0.790 B	0.970 B	0.750 B	ND(0.520) J
Silver	ND(1.00)	ND(1.00)	ND(1.00)	0.130 B	ND(1.00)	0.180
Sodium	NA	NA	NA	NA	NA	NA
Sulfide	9.60 J	ND(5.60)	5.50 J	5.30 J	5.30 J	ND(6.10)
Thallium	ND(1.20)	ND(1.10)	ND(1.10) J	ND(1.10) J	ND(1.10) J	ND(0.590)
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	5.20
Vanadium	15.0	5.40	9.20	5.40	4.00 B	8.10
Zinc	48.0	23.0	50.0	28.0	24.0	54.5 J

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2] / Location ID / Sample ID / Sample Depth(Feet) / Date Collected	Historical I7-3-7A-2 I7-3-7A-2 0-0.5 09/22/94	Historical I7-3-7D-10 I7-3-7D-10 0-0.5 09/22/94
Volatile Organics		
1,1,1,2-Tetrachloroethane	ND(0.021) [ND(0.021)]	ND(0.022)
1,1,1-trichloro-2,2,2-trifluoroethane	ND(0.015) [ND(0.016)]	ND(0.017)
1,1,1-Trichloroethane	ND(0.021) [ND(0.021)]	ND(0.022)
1,1,2,2-Tetrachloroethane	ND(0.010) [ND(0.011)]	ND(0.011)
1,1,2-trichloro-1,2,2-trifluoroethane	ND(0.010) [ND(0.011)]	ND(0.011)
1,1,2-Trichloroethane	ND(0.015) [ND(0.016)]	ND(0.017)
1,1-Dichloroethane	ND(0.015) [ND(0.016)]	ND(0.017)
1,1-Dichloroethene	ND(0.021) [ND(0.021)]	ND(0.022)
1,2,3-Trichloropropane	ND(0.021) [ND(0.021)]	ND(0.022)
1,2-Dibromo-3-chloropropane	ND(0.052) [ND(0.053)]	ND(0.056)
1,2-Dibromoethane	ND(0.021) [ND(0.021)]	ND(0.022)
1,2-Dichloroethane	ND(0.010) [ND(0.011)]	ND(0.011)
1,2-Dichloroethene (total)	ND(0.046) [ND(0.047)]	ND(0.051)
1,2-Dichloropropane	ND(0.021) [ND(0.021)]	ND(0.022)
1,4-Dioxane	ND(53) [ND(54)]	ND(57)
2-Butanone	ND(0.036) [ND(0.037)]	ND(0.039)
2-Chloroethylvinylether	ND(0.015) [ND(0.016)]	ND(0.017)
2-Hexanone	ND(0.036) [ND(0.037)]	ND(0.039)
3-Chloropropene	ND(0.015) [ND(0.016)]	ND(0.017)
4-Methyl-2-pentanone	ND(0.026) [ND(0.026)]	ND(0.028)
Acetone	ND(0.093) [0.14]	ND(0.10)
Acetonitrile	ND(0.21) [ND(0.21)]	ND(0.22)
Acrolein	ND(0.24) [ND(0.24)]	ND(0.26)
Acrylonitrile	ND(0.22) [ND(0.22)]	ND(0.24)
Benzene	ND(0.015) [ND(0.016)]	ND(0.017)
Bromodichloromethane	ND(0.021) [ND(0.021)]	ND(0.022)
Bromoform	ND(0.015) [ND(0.016)]	ND(0.017)
Bromomethane	ND(0.021) [ND(0.021)]	ND(0.022)
Carbon Disulfide	ND(0.010) [ND(0.011)]	ND(0.011)
Carbon Tetrachloride	ND(0.015) [ND(0.016)]	ND(0.017)
Chlorobenzene	ND(0.015) [ND(0.016)]	ND(0.017)
Chloroethane	ND(0.021) [ND(0.021)]	ND(0.022)
Chloroform	ND(0.015) [ND(0.016)]	ND(0.017)
Chloromethane	ND(0.036) [ND(0.037)]	ND(0.039)
cis-1,2-Dichloroethene	ND(0.031) [ND(0.032)]	ND(0.034)
cis-1,3-Dichloropropene	ND(0.010) [ND(0.011)]	ND(0.011)
cis-1,4-Dichloro-2-butene	ND(0.021) [ND(0.021)]	ND(0.022)
Crotonaldehyde	ND(0.57) [ND(0.58)]	ND(0.62)
Dibromochloromethane	ND(0.015) [ND(0.016)]	ND(0.017)
Dibromomethane	ND(0.021) [ND(0.021)]	ND(0.022)
Ethyl Methacrylate	ND(0.026) [ND(0.037)]	ND(0.028)
Ethylbenzene	ND(0.015) [ND(0.016)]	ND(0.017)
Iodomethane	ND(0.010) [ND(0.011)]	ND(0.011)
Isobutanol	ND(13) [ND(14)]	ND(15)
m&p-Xylene	ND(0.010) [ND(0.011)]	ND(0.011)
Methacrylonitrile	ND(0.021) [ND(0.021)]	ND(0.022)
Methyl Methacrylate	ND(0.052) [ND(0.053)]	ND(0.62)
Methylene Chloride	0.021 B [0.037 B]	0.019 B
o-Xylene	ND(0.010) [ND(0.011)]	ND(0.011)
Propionitrile	ND(0.61) [ND(0.62)]	ND(0.66)
Styrene	ND(0.010) [ND(0.011)]	ND(0.011)
Tetrachloroethene	ND(0.015) [ND(0.016)]	ND(0.017)
Toluene	ND(0.015) [ND(0.016)]	ND(0.017)
trans-1,2-Dichloroethene	ND(0.015) [ND(0.016)]	ND(0.017)
trans-1,3-Dichloropropene	ND(0.015) [ND(0.016)]	ND(0.017)
trans-1,4-Dichloro-2-butene	ND(0.021) [ND(0.021)]	ND(0.022)
Trichloroethene	ND(0.021) [ND(0.021)]	ND(0.022)
Trichlorofluoromethane	ND(0.021) [ND(0.021)]	ND(0.022)
Vinyl Acetate	ND(0.021) [ND(0.021)]	ND(0.022)
Vinyl Chloride	ND(0.021) [ND(0.021)]	ND(0.022)
Xylenes (total)	ND(0.021) [ND(0.021)]	ND(0.022)
Semivolatile Organics		
1,2,3,4-Tetrachlorobenzene	0.52 J [0.39 J]	0.089 J
1,2,3,5-Tetrachlorobenzene	0.043 J [0.032 J]	ND(1.4)
1,2,3-Trichlorobenzene	ND(0.61) [ND(0.62)]	ND(0.67)
1,2,4,5-Tetrachlorobenzene	0.043 J [0.032 J]	ND(1.4)
1,2,4-Trichlorobenzene	0.043 J [0.034 J]	0.045 J
1,2-Dichlorobenzene	ND(0.60) [ND(0.61)]	0.037 J

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	Historical I7-3-7A-2 I7-3-7A-2 0-0.5 09/22/94	Historical I7-3-7D-10 I7-3-7D-10 0-0.5 09/22/94
Semivolatile Organics (continued)			
1,2-Diphenylhydrazine		ND(0.70) [ND(0.72)]	ND(0.77)
1,3,5-Trichlorobenzene		ND(0.62) [ND(0.63)]	ND(0.68)
1,3,5-Trinitrobenzene		ND(0.93) [ND(0.95)]	ND(1.0)
1,3-Dichlorobenzene		ND(0.52) [ND(0.53)]	ND(0.57)
1,3-Dinitrobenzene		ND(0.57) [ND(0.58)]	ND(0.62)
1,4-Dichlorobenzene		ND(0.53) [ND(0.54)]	ND(0.58)
1,4-Naphthoquinone		ND(1.6) [ND(1.7)]	ND(1.8)
1-Chloronaphthalene		ND(1.2) [ND(1.2)]	ND(1.3)
1-Methylnaphthalene		0.046 J [0.026 J]	0.043 J
1-Naphthylamine		ND(1.4) [ND(1.5)]	ND(1.6)
2,3,4,6-Tetrachlorophenol		ND(1.4) [ND(1.5)]	ND(1.6)
2,4,5-Trichlorophenol		ND(1.3) [ND(1.4)]	ND(1.4)
2,4,6-Trichlorophenol		ND(1.3) [ND(1.4)]	ND(1.4)
2,4-Dichlorophenol		ND(0.56) [ND(0.57)]	ND(0.61)
2,4-Dimethylphenol		ND(0.62) [ND(0.63)]	ND(0.68)
2,4-Dinitrophenol		ND(1.7) [ND(1.8)]	ND(1.9)
2,4-Dinitrotoluene		ND(0.67) [ND(0.69)]	ND(0.73)
2,6-Dichlorophenol		ND(1.2) [ND(1.2)]	ND(1.3)
2,6-Dinitrotoluene		ND(0.77) [ND(0.78)]	ND(0.83)
2-Acetylaminofluorene		ND(0.72) [ND(0.74)]	ND(0.79)
2-Chloronaphthalene		ND(0.99) [ND(1.0)]	ND(1.1)
2-Chlorophenol		ND(0.64) [ND(0.65)]	ND(0.70)
2-Methylnaphthalene		ND(0.86) [ND(0.87)]	ND(0.93)
2-Methylphenol		ND(0.66) [ND(0.68)]	ND(0.72)
2-Naphthylamine		ND(0.88) [ND(0.89)]	ND(0.96)
2-Nitroaniline		ND(1.1) [ND(1.1)]	ND(1.2)
2-Nitrophenol		ND(0.63) [ND(0.64)]	ND(0.69)
2-Picoline		ND(1.2) [ND(1.2)]	ND(1.3)
3&4-Methylphenol		ND(1.3) [ND(1.4)]	ND(1.4)
3,3'-Dichlorobenzidine		ND(0.51) [ND(0.52)]	ND(0.56)
3,3'-Dimethoxybenzidine		ND(0.99) [ND(1.0)]	ND(1.1)
3,3'-Dimethylbenzidine		ND(0.99) [ND(1.0)]	ND(1.1)
3-Methylcholanthrene		ND(0.62) [ND(0.63)]	ND(0.68)
3-Nitroaniline		ND(0.70) [ND(0.72)]	ND(0.77)
4,4'-Methylene-bis(2-chloroaniline)		ND(0.46) [ND(0.47)]	ND(0.50)
4,6-Dinitro-2-methylphenol		ND(1.8) [ND(1.9)]	ND(2.0)
4-Aminobiphenyl		ND(0.42) [ND(0.43)]	ND(0.46)
4-Bromophenyl-phenylether		ND(0.77) [ND(0.78)]	ND(0.83)
4-Chloro-3-Methylphenol		ND(0.77) [ND(0.78)]	ND(0.83)
4-Chloroaniline		ND(0.70) [ND(0.72)]	ND(0.77)
4-Chlorobenzilate		ND(0.72) [ND(0.69)]	ND(0.79)
4-Chlorophenyl-phenylether		ND(0.61) [ND(0.62)]	ND(0.67)
4-Methylphenol		NA	NA
4-Nitroaniline		ND(1.1) [ND(1.1)]	ND(1.2)
4-Nitrophenol		ND(4.6) [ND(4.7)]	ND(5.0)
4-Nitroquinoline-1-oxide		ND(4.9) [ND(5.0)]	ND(5.3)
4-Phenylenediamine		NA	NA
5-Nitro-o-toluidine		ND(0.10) [ND(1.0)]	ND(1.1)
7,12-Dimethylbenz(a)anthracene		ND(0.42) [ND(0.43)]	ND(0.46)
a,a'-Dimethylphenethylamine		NA	NA
Acenaphthene		ND(0.67) [ND(0.69)]	0.048 J
Acenaphthylene		0.16 J [0.069 J]	0.19 J
Acetophenone		ND(0.67) [ND(0.69)]	ND(0.73)
Aniline		ND(0.57) [ND(0.58)]	ND(0.62)
Anthracene		0.18 J [0.10 J]	0.29 J
Aramite		ND(0.67) [ND(0.69)]	ND(0.73)
Azobenzene		NA	NA
Benzal chloride		ND(0.54) [ND(0.55)]	ND(0.59)
Benzidine		ND(1.6) [ND(1.7)]	ND(1.8)
Benzo(a)anthracene		0.87 [0.43 J]	1.3
Benzo(a)pyrene		0.85 [0.42 J]	1.4
Benzo(b)fluoranthene		1.4 Z [0.70 JZ]	2.4 Z
Benzo(g,h,i)perylene		0.28 J [0.20 J]	0.44 J
Benzo(k)fluoranthene		2.5 Z [1.1 Z]	4.3 Z
Benzoic Acid		ND(1.9) [ND(2.0)]	ND(2.1)
Benzotrichloride		ND(0.63) [ND(0.64)]	ND(0.69)
Benzyl Alcohol		ND(0.56) [ND(0.57)]	ND(0.61)
Benzyl Chloride		ND(0.59) [ND(0.60)]	ND(0.65)

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Data Type [2]	Historical	Historical
Location ID:	I7-3-7A-2	I7-3-7D-10
Sample ID:	I7-3-7A-2	I7-3-7D-10
Sample Depth(Feet):	0-0.5	0-0.5
Date Collected:	09/22/94	09/22/94
Semivolatile Organics (continued)		
bis(2-Chloroethoxy)methane	ND(0.68) [ND(0.70)]	ND(0.75)
bis(2-Chloroethyl)ether	ND(0.60) [ND(0.61)]	ND(0.66)
bis(2-Chloroisopropyl)ether	ND(0.66) [ND(0.68)]	ND(0.72)
bis(2-Ethylhexyl)phthalate	ND(0.77) [0.018 J]	0.052 J
Butylbenzylphthalate	ND(0.69) [ND(0.71)]	ND(0.76)
Chrysene	0.73 [0.35 J]	1.3
Cyclophosphamide	ND(0.64) [ND(0.65)]	ND(0.70)
Diallate	NA	NA
Diallate (cis isomer)	ND(0.67) [ND(0.69)]	ND(0.73)
Diallate (trans isomer)	ND(0.67) [ND(0.69)]	ND(0.73)
Dibenz(a,j)acridine	ND(0.42) [ND(0.43)]	ND(0.46)
Dibenzo(a,h)anthracene	0.072 J [0.043 J]	0.072 J
Dibenzofuran	ND(0.70) [ND(0.72)]	ND(0.77)
Diethylphthalate	ND(0.73) [ND(0.75)]	ND(0.80)
Dimethoate	ND(0.67) [ND(0.69)]	ND(0.73)
Dimethylphthalate	ND(0.99) [ND(1.0)]	ND(1.1)
Di-n-Butylphthalate	0.14 JB [0.053 JB]	0.11 JB
Di-n-Octylphthalate	ND(0.49) [ND(0.50)]	ND(0.53)
Diphenylamine	ND(1.4) [ND(1.5)]	ND(1.6)
Ethyl Methacrylate	ND(0.60) [ND(0.61)]	ND(0.66)
Ethyl Methanesulfonate	ND(0.61) [ND(0.62)]	ND(0.67)
Famphur	ND(2.0) [ND(2.1)]	ND(2.2)
Fluoranthene	1.2 [0.66 J]	2.3
Fluorene	0.080 J [0.033 J]	0.11 J
Hexachlorobenzene	ND(0.79) [0.019 J]	ND(0.86)
Hexachlorobutadiene	ND(0.57) [ND(0.58)]	ND(0.62)
Hexachlorocyclopentadiene	ND(0.67) [ND(0.69)]	ND(0.73)
Hexachloroethane	ND(0.61) [ND(0.62)]	ND(0.67)
Hexachlorophene	NA	NA
Hexachloropropene	ND(0.58) [ND(0.59)]	ND(0.63)
Indeno(1,2,3-cd)pyrene	0.28 J [0.19 J]	0.42 J
Isodrin	ND(0.94) [ND(0.96)]	ND(1.0)
Isophorone	ND(0.69) [ND(0.71)]	ND(0.76)
Isosafrole	ND(1.3) [ND(1.4)]	ND(1.4)
Methapyrilene	ND(1.3) [ND(1.4)]	ND(1.4)
Methyl Methanesulfonate	ND(0.71) [ND(0.73)]	ND(0.78)
Naphthalene	0.097 J [0.051 J]	0.10 J
Nitrobenzene	ND(0.69) [ND(0.71)]	ND(0.76)
N-Nitrosodiethylamine	ND(0.61) [ND(0.62)]	ND(0.67)
N-Nitrosodimethylamine	ND(0.67) [ND(0.69)]	ND(0.73)
N-Nitroso-di-n-butylamine	ND(1.4) [ND(1.5)]	ND(1.6)
N-Nitroso-di-n-propylamine	ND(0.62) [ND(0.63)]	ND(0.68)
N-Nitrosodiphenylamine	ND(1.4) [ND(1.5)]	ND(1.6)
N-Nitrosomethylethylamine	ND(0.55) [ND(0.56)]	ND(0.60)
N-Nitrosomorpholine	ND(0.77) [ND(0.78)]	ND(0.83)
N-Nitrosopiperidine	ND(0.76) [ND(0.77)]	ND(0.82)
N-Nitrosopyrrolidine	ND(0.54) [ND(0.55)]	ND(0.59)
o,o,o-Triethylphosphorothioate	ND(5.4) [ND(5.5)]	ND(5.9)
o-Toluidine	ND(2.0) [ND(2.1)]	ND(2.2)
Paraldehyde	ND(0.37) [ND(0.37)]	ND(0.40)
p-Dimethylaminoazobenzene	ND(0.68) [ND(0.70)]	ND(0.75)
Pentachlorobenzene	0.54 J [0.35 J]	0.092 J
Pentachloroethane	ND(0.85) [ND(0.86)]	ND(0.92)
Pentachloronitrobenzene	ND(0.65) [ND(0.66)]	ND(0.71)
Pentachlorophenol	ND(1.4) [ND(1.5)]	ND(1.6)
Phenacetin	ND(0.62) [ND(0.63)]	ND(0.68)
Phenanthrene	0.53 J [0.30 J]	0.99
Phenol	ND(0.58) [ND(0.59)]	ND(0.63)
Pronamide	ND(0.66) [ND(0.68)]	ND(0.72)
Pyrene	1.0 [0.59 J]	1.7
Pyridine	ND(0.56) [ND(0.57)]	ND(0.61)
Safrole	ND(0.59) [ND(0.60)]	ND(0.65)
Thionazin	ND(0.68) [ND(0.70)]	ND(0.75)

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	Historical / I7-3-7A-2 / I7-3-7A-2 / 0-0.5 / 09/22/94	Historical / I7-3-7D-10 / I7-3-7D-10 / 0-0.5 / 09/22/94
Organochlorine Pesticides			
4,4'-DDD		ND(0.81) [ND(1.6)]	ND(1.8)
4,4'-DDE		ND(0.65) [ND(0.41)]	ND(0.45)
4,4'-DDT		ND(1.6) [ND(1.6)]	ND(1.8)
Aldrin		ND(0.20) [ND(0.41)]	ND(0.45)
Alpha-BHC		ND(0.20) [ND(0.41)]	ND(0.45)
Beta-BHC		ND(0.41) [ND(0.81)]	ND(0.90)
Delta-BHC		ND(0.61) [ND(1.2)]	ND(1.3)
Dieldrin		ND(2.5) [ND(2.5)]	ND(1.6)
Endosulfan I		ND(1.0) [ND(2.0)]	ND(2.2)
Endosulfan II		ND(0.20) [ND(0.41)]	ND(0.45)
Endosulfan Sulfate		ND(4.1) [ND(8.1)]	ND(9.0)
Endrin		ND(1.7) [ND(7.9)]	ND(5.1)
Endrin Aldehyde		ND(1.6) [ND(3.3)]	ND(3.6)
Gamma-BHC (Lindane)		ND(0.20) [ND(0.41)]	ND(0.45)
Heptachlor		ND(0.20) [ND(0.41)]	ND(0.45)
Heptachlor Epoxide		ND(6.1) [ND(12)]	ND(13)
Kepone		NA	NA
Methoxychlor		ND(12) [ND(24)]	ND(27)
Technical Chlordane		ND(1.0) [ND(2.0)]	ND(2.2)
Toxaphene		ND(16) [ND(33)]	ND(36)
Organophosphate Pesticides			
Dimethoate		ND(0.010) [0.018 BP]	0.0076 JB
Disulfoton		ND(0.010) [ND(0.011)]	ND(0.011)
Ethyl Parathion		ND(0.010) [ND(0.011)]	ND(0.011)
Famphur		ND(0.010) [ND(0.011)]	ND(0.011)
Methyl Parathion		ND(0.010) [ND(0.011)]	0.0052 J
Phorate		ND(0.010) [ND(0.011)]	ND(0.011)
Sulfotep		ND(0.010) [ND(0.011)]	ND(0.011)
Herbicides			
2,4,5-T		ND(0.26) [ND(0.26)]	ND(0.28)
2,4,5-TP		ND(0.26) [ND(0.26)]	0.084 JP
2,4-D		0.20 JP [0.18 JP]	ND(1.1)
Dinoseb		0.017 JB [ND(0.084)]	ND(0.090)
Furans			
2,3,7,8-TCDF		ND(0.000061) [ND(0.000062)]	0.000095
TCDFs (total)		ND(0.000061) [ND(0.000062)]	0.00023
1,2,3,7,8-PeCDF		ND(0.000096) [ND(0.000097)]	ND(0.00011)
2,3,4,7,8-PeCDF		ND(0.00010) [ND(0.00010)]	ND(0.00011)
PeCDFs (total)		ND(0.000098) [ND(0.000099)]	0.00062
1,2,3,4,7,8-HxCDF		ND(0.00011) [0.00014]	0.00018
1,2,3,6,7,8-HxCDF		ND(0.000088) [ND(0.000089)]	ND(0.000098)
1,2,3,7,8,9-HxCDF		ND(0.00021) [ND(0.00021)]	ND(0.00023)
2,3,4,6,7,8-HxCDF		ND(0.00016) [ND(0.00016)]	ND(0.00018)
HxCDFs (total)		ND(0.00014) [0.00014]	0.00051
1,2,3,4,6,7,8-HpCDF		ND(0.00017) [ND(0.00017)]	0.00025
1,2,3,4,7,8,9-HpCDF		ND(0.00018) [ND(0.00018)]	ND(0.00020)
HpCDFs (total)		ND(0.00017) [ND(0.00018)]	0.00048
OCDF		ND(0.00034) [ND(0.00034)]	ND(0.00037)
Dioxins			
2,3,7,8-TCDD		ND(0.000071) [ND(0.000071)]	ND(0.000079)
TCDDs (total)		ND(0.000071) [ND(0.000071)]	ND(0.000079)
1,2,3,7,8-PeCDD		ND(0.00012) [ND(0.00012)]	ND(0.00014)
PeCDDs (total)		ND(0.00012) [ND(0.00012)]	ND(0.00014)
1,2,3,4,7,8-HxCDD		ND(0.00020) [ND(0.00020)]	ND(0.00022)
1,2,3,6,7,8-HxCDD		ND(0.00010) [ND(0.00010)]	ND(0.00011)
1,2,3,7,8,9-HxCDD		ND(0.00017) [ND(0.00017)]	ND(0.00019)
HxCDDs (total)		ND(0.00016) [ND(0.00016)]	ND(0.00018)
1,2,3,4,6,7,8-HpCDD		ND(0.00021) [ND(0.00021)]	ND(0.00023)
HpCDDs (total)		ND(0.00021) [ND(0.00021)]	ND(0.00023)
OCDD		ND(0.00027) [ND(0.00027)]	0.0010
Total TEQs (WHO TEFs)		0.00018 [0.00019]	0.00022

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Data Type [2]: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	Historical I7-3-7A-2 I7-3-7A-2 0-0.5 09/22/94	Historical I7-3-7D-10 I7-3-7D-10 0-0.5 09/22/94
Inorganics			
Aluminum		4600 [4910]	7100
Antimony		0.170 BN [0.130 BN]	0.480 BN
Arsenic		1.60 [1.30]	4.00
Barium		17.5 B [18.1 B]	41.9
Beryllium		0.170 [0.180]	0.270
Cadmium		ND(0.0300) [ND(0.0300)]	ND(0.0300)
Calcium		6200 [6240]	6840
Chromium		8.80 [9.50]	15.4
Cobalt		5.40 [6.00]	7.70
Copper		20.7 [18.8]	48.1
Cyanide		ND(0.520) [ND(0.520)]	ND(0.520)
Iron		12000 [12300]	17400
Lead		30.9 [29.4]	81.7
Magnesium		5400 [5630]	6020
Manganese		163 [188]	280
Mercury		ND(0.100) N [ND(0.100) N]	0.190 N
Nickel		10.0 [10.5]	15.8
Potassium		721 [550]	699
Selenium		0.350 B [0.360 B]	0.770
Silver		0.100 B [0.0700 B]	0.190 B
Sodium		ND(14.0) [ND(14.3)]	ND(15.3)
Sulfide		NA	NA
Thallium		ND(0.310) [ND(0.310)]	ND(0.340)
Tin		15.1 [8.20]	18.1
Vanadium		7.40 [7.90]	13.3
Zinc		70.0 [60.0]	105

TABLE D-52
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:
1. Samples were collected by GE and EPA subcontractors and submitted for analysis of certain Appendix IX+3 constituents.
2. Data Types: PDI = GE Pre-Design Investigation soil sampling; EPA = United States Environmental Protection Agency soil sampling provided to GE under a Data Exchange Agreement between GE and EPA; Historical = GE Historical soil sampling.
3. PDI Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
4. NA - Not Analyzed.
5. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
6. Field duplicate sample results are presented in brackets.
7. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (volatiles, semivolatiles, pesticides, herbicides, dioxin/furans)
- B - Analyte was also detected in the associated method blank.
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- J - Estimated Value.
- P - Greater than 25% difference between primary and confirmation collumn.
- Q - Indicates the presence of quantitative interferences.
- R - Rejected.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.
- Z - Coeluting isomers could not be chromatographically resolved in the sample.

Inorganics
- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- J - Estimated Value.
- N - Indicates sample matrix spike analysis was outside control limits.

TABLE D-53
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-3-7 (BACK)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Volatile Organics			
Acetone	0.14	1,400	No
Methylene Chloride	0.037	8.5	No
Semivolatile Organics			
1,2,3,4-Tetrachlorobenzene	0.52	16	No
1,2,3,5-Tetrachlorobenzene	0.043	16	No
1,2,4,5-Tetrachlorobenzene	0.043	16	No
1,2,4-Trichlorobenzene	0.045	480	No
1,2-Dichlorobenzene	0.037	370	No
1,4-Dichlorobenzene	0.035	3	No
1-Methylnaphthalene	0.046	55	No
2-Methylnaphthalene	0.1	55	No
Acenaphthene	0.85	2,600	No
Acenaphthylene	0.72	55	No
Anthracene	0.53	14,000	No
Benzo(a)anthracene	1.7	0.56	**Yes**
Benzo(a)pyrene	1.4	0.056	**Yes**
Benzo(b)fluoranthene	2.4	0.56	**Yes**
Benzo(g,h,i)perylene	0.5	55	No
Benzo(k)fluoranthene	4.3	5.6	No
bis(2-Ethylhexyl)phthalate	0.052	32	No
Butylbenzylphthalate	0.48	930	No
Chrysene	1.4	56	No
Dibenzo(a,h)anthracene	0.15	0.056	**Yes**
Dibenzofuran	0.1	210	No
Di-n-Butylphthalate	0.14	5,500	No
Fluoranthene	2.7	2,000	No
Fluorene	0.14	1,800	No
Hexachlorobenzene	0.019	0.28	No
Indeno(1,2,3-cd)pyrene	0.53	0.56	No
Naphthalene	0.18	55	No
Pentachlorobenzene	0.64	44	No
Phenanthrene	1.2	55	No
Pyrene	2.2	1,500	No
Inorganics			
Antimony	0.81	30	No
Arsenic	5	0.38	**Yes**
Barium	47	5,200	No
Beryllium	0.44	150	No
Cadmium	0.26	37	No
Chromium	15.4	210	No
Cobalt	10	3,300	No
Copper	48.1	2,800	No
Cyanide	0.16	11	No
Lead	81.7	400	No
Mercury	0.19	22	No
Nickel	17	1,500	No
Selenium	1.3	370	No
Silver	0.2	370	No
Sulfide	100	350	No
Tin	18.1	45,000	No
Vanadium	15	520	No
Zinc	105	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-54
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-7 (BACK) (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	I7-3-7A-2 0-0.5 09/22/94	I7-3-7D-10 0-0.5 09/22/94	3B-A9-10 0-1 11/18/04	3B-A9-11 0-1 11/16/04	3B-A9-12 0-1 11/16/04
Semivolatile Organics					
Benzo(a)anthracene	0.65	1.3	0.29	1.7	**0.20**
Benzo(a)pyrene	0.64	1.4	0.20	1.2	**0.20**
Benzo(b)fluoranthene	1.1	2.4	0.25	0.79	**0.20**
Dibenzo(a,h)anthracene	0.058	0.072	**0.20**	0.10	**0.20**
Dioxins/Furans					
Total TEQs (WHO TEFs)	*0.00019*	0.00022	*0.0000023*	0.00014	0.0000013
Inorganics					
Arsenic	1.45	4.00	4.45	2.10	4.10

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3B-A9-13 0-1 11/17/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics					
Benzo(a)anthracene	0.36	N/A (See Note 5)	0.75	7	No
Benzo(a)pyrene	0.17	N/A (See Note 5)	0.64	2	No
Benzo(b)fluoranthene	0.26	N/A (See Note 5)	0.83	7	No
Dibenzo(a,h)anthracene	**0.19**	N/A (See Note 5)	0.14	0.7	No
Dioxins/Furans					
Total TEQs (WHO TEFs)	0.000027	2.20E-04	N/A (See Note 5)	1.00E-03	No
Inorganics					
Arsenic	3.10	N/A (See Note 5)	3.20	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.

TABLE D-55
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-7 (BACK) (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	RB021605 1-1.5 11/02/98	3B-A9-10 1-3 11/18/04	3B-A9-11 1-3 11/16/04	3B-A9-12 1-3 11/16/04	3B-A9-13 1-3 11/17/04	3B-A9-10 3-5 11/18/04
Semivolatile Organics						
Benzo(a)anthracene	0.74	0.24	1.4	**0.19**	**0.19**	**0.20**
Benzo(a)pyrene	0.68	**0.21**	0.85	**0.19**	**0.19**	**0.20**
Benzo(b)fluoranthene	0.49	**0.21**	0.62	**0.19**	**0.19**	**0.20**
Dibenzo(a,h)anthracene	0.15	**0.21**	0.13	**0.19**	**0.19**	**0.20**
Dioxins/Furans						
Total TEQs (WHO TEFs)	0.000034	0.0000033	*0.000043*	0.0000017	0.00000083	0.00000078
Inorganics						
Arsenic	2.00	3.40	4.20	1.60	1.90	5.00

Parameter / Sample ID / Sample Depth (Feet) / Date Collected:	3B-A9-13 3-5 11/17/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics					
Benzo(a)anthracene	0.17	N/A (See Note 5)	0.45	7	No
Benzo(a)pyrene	**0.19**	N/A (See Note 5)	0.36	2	No
Benzo(b)fluoranthene	0.18	N/A (See Note 5)	0.30	7	No
Dibenzo(a,h)anthracene	**0.19**	N/A (See Note 5)	0.18	0.7	No
Dioxins/Furans					
Total TEQs (WHO TEFs)	0.00000069	4.30E-05	N/A (See Note 5)	1.00E-03	No
Inorganics					
Arsenic	2.20	N/A (See Note 5)	2.90	20	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.

I7-3-10

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TABLE D-56
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-10

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3B-A9-14 0-1 11/17/04	3B-A9-14 1-3 11/17/04	3B-A9-14 3-5 11/17/04	3B-A9-15 0-1 11/16/04	3B-A9-15 1-3 11/16/04	3B-A9-16 0-1 11/16/04	3B-A9-16 1-3 11/16/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
1,2,4-Trichlorobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
1,2-Dichlorobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
1,2-Diphenylhydrazine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
1,3,5-Trinitrobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
1,3-Dichlorobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
1,3-Dinitrobenzene	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
1,4-Dichlorobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
1,4-Naphthoquinone	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
1-Naphthylamine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
2,3,4,6-Tetrachlorophenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2,4,5-Trichlorophenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2,4,6-Trichlorophenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2,4-Dichlorophenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2,4-Dimethylphenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2,4-Dinitrophenol	ND(2.2)	ND(1.8)	ND(1.8)	ND(2.0)	ND(1.9)	ND(2.2)	ND(1.9)
2,4-Dinitrotoluene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2,6-Dichlorophenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2,6-Dinitrotoluene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2-Acetylaminofluorene	ND(0.87) J	ND(0.70) J	ND(0.72) J	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
2-Chloronaphthalene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2-Chlorophenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2-Methylnaphthalene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2-Methylphenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
2-Naphthylamine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
2-Nitroaniline	ND(2.2)	ND(1.8)	ND(1.8)	ND(2.0) J	ND(1.9) J	ND(2.2) J	ND(1.9) J
2-Nitrophenol	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
2-Picoline	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
3&4-Methylphenol	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
3,3'-Dichlorobenzidine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
3,3'-Dimethylbenzidine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
3-Methylcholanthrene	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80) J	ND(0.76) J	ND(0.87) J	ND(0.74) J
3-Nitroaniline	ND(2.2)	ND(1.8)	ND(1.8)	ND(2.0)	ND(1.9)	ND(2.2)	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.43) J	ND(0.35) J	ND(0.36) J	ND(0.40) J	ND(0.38) J	ND(0.43) J	ND(0.36) J
4-Aminobiphenyl	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
4-Bromophenyl-phenylether	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
4-Chloro-3-Methylphenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
4-Chloroaniline	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
4-Chlorobenzilate	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
4-Chlorophenyl-phenylether	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
4-Nitroaniline	ND(2.2)	ND(1.8)	ND(1.8)	ND(2.0)	ND(1.9)	ND(2.2)	ND(1.9)
4-Nitrophenol	ND(2.2)	ND(1.8)	ND(1.8)	ND(2.0)	ND(1.9)	ND(2.2)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.87) J	ND(0.70) J	ND(0.72) J	ND(0.80) J	ND(0.76) J	ND(0.87) J	ND(0.74) J
4-Phenylenediamine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
5-Nitro-o-toluidine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
7,12-Dimethylbenz(a)anthracene	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
a,a'-Dimethylphenethylamine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Acenaphthene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Acenaphthylene	0.41 J	0.23 J	ND(0.36)	0.89	0.23 J	ND(0.43)	ND(0.36)
Acetophenone	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Aniline	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Anthracene	0.24 J	ND(0.35)	ND(0.36)	0.33 J	0.17 J	ND(0.43)	ND(0.36)
Aramite	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Benzidine	ND(0.87) J	ND(0.70) J	ND(0.72) J	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Benzo(a)anthracene	0.46	0.18 J	ND(0.36)	1.4	0.23 J	0.31 J	ND(0.36)
Benzo(a)pyrene	0.75	ND(0.35)	ND(0.36)	1.2	0.12 J	ND(0.43)	ND(0.36)
Benzo(b)fluoranthene	0.62	ND(0.35)	ND(0.36)	0.80	0.27 J	ND(0.43)	ND(0.36)
Benzo(g,h,i)perylene	0.38 J	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Benzo(k)fluoranthene	0.55	ND(0.35)	ND(0.36)	0.96	ND(0.38)	ND(0.43)	ND(0.36)
Benzyl Alcohol	ND(0.87) J	ND(0.70) J	ND(0.72) J	ND(0.80) J	ND(0.76) J	ND(0.87) J	ND(0.74) J
bis(2-Chloroethoxy)methane	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
bis(2-Chloroethyl)ether	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
bis(2-Chloroisopropyl)ether	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.37)	ND(0.43)	ND(0.36)
Butylbenzylphthalate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Chrysene	0.34 J	ND(0.35)	ND(0.36)	1.2	0.13 J	0.19 J	ND(0.36)
Diallate	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Dibenzo(a,h)anthracene	0.13 J	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)

TABLE D-56
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-10

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3B-A9-14 0-1 11/17/04	3B-A9-14 1-3 11/17/04	3B-A9-14 3-5 11/17/04	3B-A9-15 0-1 11/16/04	3B-A9-15 1-3 11/16/04	3B-A9-16 0-1 11/16/04	3B-A9-16 1-3 11/16/04
Semivolatile Organics (continued)							
Dibenzofuran	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Diethylphthalate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Dimethylphthalate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Di-n-Butylphthalate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Di-n-Octylphthalate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Diphenylamine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Ethyl Methanesulfonate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Fluoranthene	0.48	ND(0.35)	ND(0.36)	1.5	0.19 J	0.26 J	ND(0.36)
Fluorene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Hexachlorobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Hexachlorobutadiene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Hexachloroethane	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Hexachlorophene	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Hexachloropropene	ND(0.43) J	ND(0.35) J	ND(0.36) J	ND(0.40) J	ND(0.38) J	ND(0.43) J	ND(0.36) J
Indeno(1,2,3-cd)pyrene	0.33 J	ND(0.35)	ND(0.36)	0.53	ND(0.38)	ND(0.43)	ND(0.36)
Isodrin	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Isophorone	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Isosafrole	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Methapyrilene	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Methyl Methanesulfonate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Naphthalene	ND(0.43)	ND(0.35)	ND(0.36)	0.15 J	ND(0.38)	ND(0.43)	ND(0.36)
Nitrobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
N-Nitrosodiethylamine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
N-Nitrosodimethylamine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
N-Nitroso-di-n-butylamine	ND(0.87) J	ND(0.70) J	ND(0.72) J	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
N-Nitroso-di-n-propylamine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
N-Nitrosodiphenylamine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
N-Nitrosomethylethylamine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
N-Nitrosomorpholine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
N-Nitrosopiperidine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
N-Nitrosopyrrolidine	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80) J	ND(0.76) J	ND(0.87) J	ND(0.74) J
o,o,o-Triethylphosphorothioate	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
o-Toluidine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
p-Dimethylaminoazobenzene	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80) J	ND(0.76) J	ND(0.87) J	ND(0.74) J
Pentachlorobenzene	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Pentachloroethane	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Pentachloronitrobenzene	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Pentachlorophenol	ND(2.2)	ND(1.8)	ND(1.8)	ND(2.0)	ND(1.9)	ND(2.2)	ND(1.9)
Phenacetin	ND(0.87)	ND(0.70)	ND(0.72)	ND(0.80)	ND(0.76)	ND(0.87)	ND(0.74)
Phenanthrene	0.15 J	ND(0.35)	ND(0.36)	0.48	0.078 J	0.12 J	ND(0.36)
Phenol	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Pronamide	ND(0.43) J	ND(0.35) J	ND(0.36) J	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Pyrene	0.50	ND(0.35)	ND(0.36)	1.7	0.21 J	0.36 J	ND(0.36)
Pyridine	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Safrole	ND(0.43) J	ND(0.35) J	ND(0.36) J	ND(0.40) J	ND(0.38) J	ND(0.43) J	ND(0.36) J
Thionazin	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.43)	ND(0.36)
Furans							
2,3,7,8-TCDF	0.000015 Y	0.0000019 J	ND(0.00000030) X	0.000040 Y	0.0000021 YJ	0.0000046 Y	ND(0.00000049) X
TCDFs (total)	0.00035 QI	0.000030	0.00000029 J	0.00052 QI	0.000059	0.000055	0.00000038 J
1,2,3,7,8-PeCDF	0.00019	0.000019	0.0000016 J	0.00031 Q	0.000045	0.000014	ND(0.00000051)
2,3,4,7,8-PeCDF	0.000011	ND(0.0000014)	ND(0.00000053)	ND(0.000041) Q	0.0000016 J	0.0000034 J	0.00000055 J
PeCDFs (total)	0.00040 Q	0.000060	0.0000023 J	0.00058 Q	0.000094 Q	0.000062 Q	0.0000020 J
1,2,3,4,7,8-HxCDF	0.000091	0.0000085	ND(0.00000053)	0.000035	0.000011	0.0000057 J	0.0000012 J
1,2,3,6,7,8-HxCDF	0.0000098	0.0000015 J	ND(0.00000053)	0.000013	0.0000010 J	0.0000016 J	0.00000089 J
1,2,3,7,8,9-HxCDF	0.0000045 JQ	ND(0.00000076)	ND(0.00000053)	ND(0.0000042) Q	ND(0.00000092)	ND(0.00000074)	ND(0.00000088)
2,3,4,6,7,8-HxCDF	0.000021	0.0000024 J	ND(0.00000053)	0.000020	0.0000013 J	0.0000023 J	ND(0.00000074)
HxCDFs (total)	0.00042 Q	0.000047	ND(0.00000053)	0.00055 Q	0.000031	0.000029	0.0000037 J
1,2,3,4,6,7,8-HpCDF	0.00011	0.000013	ND(0.00000053)	0.000081	0.0000054 J	0.0000076	0.0000012 J
1,2,3,4,7,8,9-HpCDF	0.0000093	0.00000099 J	ND(0.00000053)	0.000011	0.00000054 J	0.00000068 J	ND(0.00000051)
HpCDFs (total)	0.00021	0.000024	ND(0.00000053)	0.00018	0.000010	0.000016	0.0000012 J
OCDF	0.000071	0.0000072 J	ND(0.0000011)	0.00013	0.0000068 J	0.0000098 J	ND(0.000001UJ

TABLE D-56
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-10

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3B-A9-14 0-1 11/17/04	3B-A9-14 1-3 11/17/04	3B-A9-14 3-5 11/17/04	3B-A9-15 0-1 11/16/04	3B-A9-15 1-3 11/16/04	3B-A9-16 0-1 11/16/04	3B-A9-16 1-3 11/16/04
Dioxins							
2,3,7,8-TCDD	0.00000054 J	ND(0.00000027)	ND(0.00000021)	0.00000066 J	ND(0.00000035)	ND(0.00000042)	ND(0.00000031)
TCDDs (total)	0.0000081	ND(0.00000054)	ND(0.00000073)	0.000013 Q	ND(0.00000058)	ND(0.00000069)	ND(0.00000051)
1,2,3,7,8-PeCDD	ND(0.0000043) X	ND(0.00000086) X	ND(0.00000053)	0.0000031 JQ	ND(0.00000054)	ND(0.00000069) X	ND(0.00000051)
PeCDDs (total)	0.000031 Q	0.0000014 J	ND(0.00000053)	0.0000066 Q	ND(0.00000054)	ND(0.00000062)	ND(0.00000090)
1,2,3,4,7,8-HxCDD	ND(0.0000046) X	ND(0.00000075)	ND(0.00000053)	ND(0.0000029) X	ND(0.00000088)	ND(0.00000078)	ND(0.00000075)
1,2,3,6,7,8-HxCDD	0.0000055 J	ND(0.00000067)	ND(0.00000053)	ND(0.0000045) X	ND(0.00000078)	ND(0.0000010) X	ND(0.00000067)
1,2,3,7,8,9-HxCDD	0.0000047 J	ND(0.00000072)	ND(0.00000053)	ND(0.0000039) X	ND(0.00000085)	ND(0.00000081) X	ND(0.00000072)
HxCDDs (total)	0.000079	0.0000040 J	ND(0.00000095)	0.000031	0.0000011 J	0.0000020 J	ND(0.00000092)
1,2,3,4,6,7,8-HpCDD	0.000051	0.0000041 J	ND(0.00000053)	0.000054	0.0000039 J	0.000012	0.00000093 J
HpCDDs (total)	0.00010	0.0000082	ND(0.00000053)	0.00024	0.000013	0.000023	0.00000093 J
OCDD	0.00036	0.000024	0.0000018 J	0.00055	0.000034	0.000087	0.0000034 J
Total TEQs (WHO TEFs)	0.000035	0.0000036	0.00000079	0.000043	0.0000053	0.0000048	0.0000011
Inorganics							
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	1.70 J	1.30 J	1.10 J	ND(6.00) J
Arsenic	16.0	7.30	5.20	8.30	6.40	8.30	5.90
Barium	90.0	98.0	17.0 B	100	46.0	66.0	35.0
Beryllium	0.230 B	0.220 B	0.150 B	0.320 B	0.300 B	0.470 B	0.250 B
Cadmium	0.420 B	ND(0.500)	ND(0.500)	0.640	0.230 B	0.240 B	0.140 B
Chromium	15.0	8.10	7.10	12.0	9.20	7.70	11.0
Cobalt	6.80	11.0	5.90	6.40	8.90	7.40	11.0
Copper	39.0	22.0	14.0	53.0	22.0	33.0	20.0
Cyanide	0.190	0.0340 B	ND(0.220)	0.310	0.120	0.230	0.0680 B
Lead	180	24.0	6.40	200	66.0	170	18.0
Mercury	0.110 B	ND(0.100)	ND(0.110)	0.270	0.0360 B	0.0640 B	ND(0.110)
Nickel	14.0	20.0	11.0	12.0	15.0	14.0	19.0
Selenium	1.20	1.30	0.920 B	ND(2.0) J	ND(2.1) J	ND(1.8) J	ND(2.4) J
Silver	0.290 B	0.190 B	0.190 B	0.610 B	ND(1.00)	ND(1.00)	0.160 B
Sulfide	8.30 J	5.00 J	6.90 J	ND(6.00)	ND(5.60)	ND(6.50)	ND(5.50)
Thallium	ND(1.30) J	ND(1.00) J	ND(1.10) J	ND(1.20)	ND(1.10)	ND(1.30)	ND(1.10)
Tin	ND(10.0)	ND(10.0)	ND(10.0)	ND(14.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	10.0	6.50	4.80 B	11.0	9.90	25.0	10.0
Zinc	140	58.0	30.0	220	90.0	84.0	56.0

TABLE D-56
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-10

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)

I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Estimated Value.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Estimated Value.

TABLE D-57
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-3-10

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
Acenaphthylene	0.89	55	No
Anthracene	0.33	14,000	No
Benzo(a)anthracene	1.4	0.56	**Yes**
Benzo(a)pyrene	1.2	0.056	**Yes**
Benzo(b)fluoranthene	0.8	0.56	**Yes**
Benzo(g,h,i)perylene	0.38	55	No
Benzo(k)fluoranthene	0.96	5.6	No
Chrysene	1.2	56	No
Dibenzo(a,h)anthracene	0.13	0.056	**Yes**
Fluoranthene	1.5	2,000	No
Indeno(1,2,3-cd)pyrene	0.53	0.56	No
Naphthalene	0.15	55	No
Phenanthrene	0.48	55	No
Pyrene	1.7	1,500	No
Inorganics			
Antimony	1.7	30	No
Arsenic	16	0.38	**Yes**
Barium	100	5,200	No
Beryllium	0.47	150	No
Cadmium	0.64	37	No
Chromium	15	210	No
Cobalt	11	3,300	No
Copper	53	2,800	No
Cyanide	0.31	11	No
Lead	200	400	No
Mercury	0.27	22	No
Nickel	20	1,500	No
Selenium	1.3	370	No
Silver	0.61	370	No
Sulfide	8.3	350	No
Vanadium	25	520	No
Zinc	220	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-58
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-10 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3B-A9-14 0-1 11/17/04	3B-A9-15 0-1 11/16/04	3B-A9-16 0-1 11/16/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	0.46	1.4	0.31	N/A (See Note 5)	0.72	7	No
Benzo(a)pyrene	0.75	1.2	**0.22**	N/A (See Note 5)	0.72	2	No
Benzo(b)fluoranthene	0.62	0.80	**0.22**	N/A (See Note 5)	0.55	7	No
Dibenzo(a,h)anthracene	0.13	**0.20**	**0.22**	N/A (See Note 5)	0.18	0.7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.000035	0.000043	0.0000048	4.30E-05	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	16.00	8.30	8.30	N/A (See Note 5)	10.87	20	No

Notes:

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

TABLE D-59
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-10 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth (Feet): / Date Collected:	3B-A9-14 1-3 11/17/04	3B-A9-15 1-3 11/16/04	3B-A9-16 1-3 11/16/04	3B-A9-14 3-5 11/17/04
Semivolatile Organics				
Benzo(a)anthracene	0.18	0.23	**0.18**	**0.18**
Benzo(a)pyrene	**0.18**	0.12	**0.18**	**0.18**
Benzo(b)fluoranthene	**0.18**	0.27	**0.18**	**0.18**
Dibenzo(a,h)anthracene	**0.18**	**0.19**	**0.18**	**0.18**
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.0000036	0.0000053	0.0000011	0.00000079
Inorganics				
Arsenic	7.30	6.40	5.90	5.20

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.19	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.17	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.20	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.18	0.7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	5.30E-06	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	6.20	20	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).

I7-3-11

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TABLE D-60
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-11

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3B-A9-17 0-1 12/09/04	3B-A9-17 1-3 12/09/04	3B-A9-18 0-1 12/09/04	3B-A9-18 1-3 12/09/04	3B-A9-18 3-5 12/09/04	3B-A9-19 0-1 12/09/04	3B-A9-19 1-3 12/09/04
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
1,2-Dichlorobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
1,2-Diphenylhydrazine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
1,3,5-Trinitrobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
1,3-Dichlorobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
1,3-Dinitrobenzene	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
1,4-Dichlorobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
1,4-Naphthoquinone	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
1-Naphthylamine	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
2,3,4,6-Tetrachlorophenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2,4,5-Trichlorophenol	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
2,4,6-Trichlorophenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2,4-Dichlorophenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2,4-Dimethylphenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2,4-Dinitrophenol	ND(2.1)	ND(2.0)	ND(2.0)	ND(1.9)	ND(2.0)	ND(2.0)	ND(1.9)
2,4-Dinitrotoluene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2,6-Dichlorophenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2,6-Dinitrotoluene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2-Acetylaminofluorene	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
2-Chloronaphthalene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2-Chlorophenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2-Methylnaphthalene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2-Methylphenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
2-Naphthylamine	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
2-Nitroaniline	ND(2.1)	ND(2.0)	ND(2.0)	ND(1.9)	ND(2.0)	ND(2.0)	ND(1.9)
2-Nitrophenol	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
2-Picoline	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
3&4-Methylphenol	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
3,3'-Dichlorobenzidine	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
3,3'-Dimethylbenzidine	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
3-Methylcholanthrene	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
3-Nitroaniline	ND(2.1)	ND(2.0)	ND(2.0)	ND(1.9)	ND(2.0)	ND(2.0)	ND(1.9)
4,6-Dinitro-2-methylphenol	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
4-Aminobiphenyl	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
4-Bromophenyl-phenylether	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
4-Chloro-3-Methylphenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
4-Chloroaniline	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
4-Chlorobenzilate	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
4-Chlorophenyl-phenylether	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
4-Nitroaniline	ND(2.1) J	ND(2.0) J	ND(2.0) J	ND(1.9) J	ND(2.0) J	ND(2.0) J	ND(1.9) J
4-Nitrophenol	ND(2.1)	ND(2.0)	ND(2.0)	ND(1.9)	ND(2.0)	ND(2.0)	ND(1.9)
4-Nitroquinoline-1-oxide	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
4-Phenylenediamine	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
5-Nitro-o-toluidine	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
7,12-Dimethylbenz(a)anthracene	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
a,a'-Dimethylphenethylamine	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Acenaphthene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Acenaphthylene	0.91	ND(0.39)	0.28 J	0.28 J	ND(0.40)	0.28 J	ND(0.38)
Acetophenone	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Aniline	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Anthracene	0.37 J	ND(0.39)	0.18 J	0.18 J	ND(0.40)	0.21 J	ND(0.38)
Aramite	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
Benzidine	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
Benzo(a)anthracene	1.1	0.21 J	ND(0.40)	0.26 J	ND(0.40)	0.38 J	ND(0.38)
Benzo(a)pyrene	1.3	ND(0.39)	ND(0.40)	0.22 J	ND(0.40)	0.18 J	ND(0.38)
Benzo(b)fluoranthene	0.80	ND(0.39)	0.30 J	0.26 J	ND(0.40)	0.30 J	ND(0.38)
Benzo(g,h,i)perylene	1.1	ND(0.39)	ND(0.40)	0.22 J	ND(0.40)	0.19 J	ND(0.38)
Benzo(k)fluoranthene	0.95	ND(0.39)	ND(0.40)	0.13 J	ND(0.40)	0.11 J	ND(0.38)
Benzyl Alcohol	ND(0.82) J	ND(0.78) J	ND(0.81) J	ND(0.77) J	ND(0.80) J	ND(0.78) J	ND(0.77) J
bis(2-Chloroethoxy)methane	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
bis(2-Chloroethyl)ether	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
bis(2-Chloroisopropyl)ether	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
bis(2-Ethylhexyl)phthalate	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.38) J	ND(0.38) J
Butylbenzylphthalate	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
Chrysene	1.2	ND(0.39)	0.092 J	0.18 J	ND(0.40)	0.22 J	ND(0.38)
Diallate	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Dibenzo(a,h)anthracene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)

TABLE D-60
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-11

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	3B-A9-17 0-1 12/09/04	3B-A9-17 1-3 12/09/04	3B-A9-18 0-1 12/09/04	3B-A9-18 1-3 12/09/04	3B-A9-18 3-5 12/09/04	3B-A9-19 0-1 12/09/04	3B-A9-19 1-3 12/09/04
Semivolatile Organics (continued)							
Dibenzofuran	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Diethylphthalate	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Dimethylphthalate	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Di-n-Butylphthalate	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Di-n-Octylphthalate	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Diphenylamine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Ethyl Methanesulfonate	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Fluoranthene	1.2	ND(0.39)	0.10 J	0.19 J	ND(0.40)	0.38 J	ND(0.38)
Fluorene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Hexachlorobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Hexachlorobutadiene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Hexachlorocyclopentadiene	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
Hexachloroethane	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Hexachlorophene	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Hexachloropropene	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
Indeno(1,2,3-cd)pyrene	0.63	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	0.12 J	ND(0.38)
Isodrin	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Isophorone	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Isosafrole	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Methapyrilene	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Methyl Methanesulfonate	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
Naphthalene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Nitrobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
N-Nitrosodiethylamine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
N-Nitrosodimethylamine	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
N-Nitroso-di-n-butylamine	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
N-Nitroso-di-n-propylamine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
N-Nitrosodiphenylamine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
N-Nitrosomethylethylamine	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
N-Nitrosomorpholine	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
N-Nitrosopiperidine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
N-Nitrosopyrrolidine	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
o,o,o-Triethylphosphorothioate	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
o-Toluidine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
p-Dimethylaminoazobenzene	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Pentachlorobenzene	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Pentachloroethane	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Pentachloronitrobenzene	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Pentachlorophenol	ND(2.1)	ND(2.0)	ND(2.0)	ND(1.9)	ND(2.0)	ND(2.0)	ND(1.9)
Phenacetin	ND(0.82)	ND(0.78)	ND(0.81)	ND(0.77)	ND(0.80)	ND(0.78)	ND(0.77)
Phenanthrene	0.29 J	ND(0.39)	ND(0.40)	0.089 J	ND(0.40)	0.20 J	ND(0.38)
Phenol	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Pronamide	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Pyrene	1.8	ND(0.39)	0.16 J	0.23 J	ND(0.40)	0.50	ND(0.38)
Pyridine	ND(0.41)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)
Safrole	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
Thionazin	ND(0.41) J	ND(0.39) J	ND(0.40) J	ND(0.38) J	ND(0.40) J	ND(0.39) J	ND(0.38) J
Furans							
2,3,7,8-TCDF	0.00000072 J	0.00000045 J	0.0000055 Y	0.0000035 Y	ND(0.00000032) X	0.0000028 Y	0.00000028 J
TCDFs (total)	0.0000066	0.0000024	0.000056	0.000056	0.0000012 J	0.000036	0.00000052 J
1,2,3,7,8-PeCDF	ND(0.00000060)	ND(0.00000057)	0.0000020 J	0.0000016 J	ND(0.00000056)	0.0000013 J	ND(0.00000056)
2,3,4,7,8-PeCDF	ND(0.00000060)	ND(0.00000057)	0.0000032 J	0.000011	ND(0.00000056)	0.0000060	ND(0.00000056)
PeCDFs (total)	0.0000023 J	0.00000069 J	0.000033	0.00011	ND(0.00000056)	0.000060	ND(0.00000056)
1,2,3,4,7,8-HxCDF	ND(0.00000060)	ND(0.00000057)	0.0000019 J	0.0000034 J	ND(0.00000056)	0.0000021 J	ND(0.00000056)
1,2,3,6,7,8-HxCDF	ND(0.00000060)	ND(0.00000057)	0.0000013 J	0.0000030 J	ND(0.00000056)	0.0000020 J	ND(0.00000056)
1,2,3,7,8,9-HxCDF	ND(0.00000060)	ND(0.00000057)	ND(0.00000059)	0.00000074 J	ND(0.00000056)	ND(0.00000068) X	ND(0.00000056)
2,3,4,6,7,8-HxCDF	ND(0.00000060)	ND(0.00000057)	0.0000016 J	0.0000066	ND(0.00000056)	0.0000038 J	ND(0.00000056)
HxCDFs (total)	0.00000073 J	0.00000061 J	0.000018	0.000084	0.00000057 J	0.000045	ND(0.00000056)
1,2,3,4,6,7,8-HpCDF	0.0000018 J	0.00000078 J	0.0000050 J	0.000012	ND(0.00000094) X	0.0000094	ND(0.00000056)
1,2,3,4,7,8,9-HpCDF	ND(0.00000060)	ND(0.00000057)	ND(0.00000059)	0.0000018 J	ND(0.00000056)	0.0000010 J	ND(0.00000056)
HpCDFs (total)	0.0000050 J	0.00000078 J	0.0000084	0.000028	ND(0.00000056)	0.000021	ND(0.00000056)
OCDF	0.0000077 J	ND(0.0000011)	0.0000060 J	0.000021	ND(0.0000011)	0.000018	ND(0.0000011)

TABLE D-60
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-11

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID:	3B-A9-17	3B-A9-17	3B-A9-18	3B-A9-18	3B-A9-18	3B-A9-19	3B-A9-19
Sample Depth(Feet):	0-1	1-3	0-1	1-3	3-5	0-1	1-3
Date Collected:	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04
Dioxins							
2,3,7,8-TCDD	ND(0.00000031)	ND(0.00000031)	ND(0.00000026)	ND(0.00000037) X	ND(0.00000032)	ND(0.00000023)	ND(0.00000027)
TCDDs (total)	0.00000066 J	ND(0.00000050)	ND(0.00000055)	ND(0.00000049)	ND(0.00000051)	ND(0.00000050)	ND(0.00000052)
1,2,3,7,8-PeCDD	ND(0.00000060)	ND(0.00000057)	ND(0.00000066) X	ND(0.0000016) X	ND(0.00000056)	ND(0.00000099) X	ND(0.00000056)
PeCDDs (total)	ND(0.00000075)	ND(0.00000097)	0.0000011 J	0.0000029 J	ND(0.00000079)	0.0000022 J	ND(0.00000056)
1,2,3,4,7,8-HxCDD	ND(0.00000060)	ND(0.00000057)	ND(0.00000059)	ND(0.00000056)	ND(0.00000056)	ND(0.00000058)	ND(0.00000056)
1,2,3,6,7,8-HxCDD	ND(0.00000060)	ND(0.00000057)	ND(0.00000059)	0.0000016 J	ND(0.00000056)	0.0000012 J	ND(0.00000056)
1,2,3,7,8,9-HxCDD	ND(0.00000060)	ND(0.00000057)	ND(0.00000059)	0.0000010 J	ND(0.00000056)	0.00000080 J	ND(0.00000056)
HxCDDs (total)	0.00000096 J	ND(0.00000069)	0.0000028 J	0.000015	ND(0.00000070)	0.0000098	ND(0.00000078)
1,2,3,4,6,7,8-HpCDD	0.0000035 J	0.0000015 J	0.0000056 J	0.000016	0.00000086 J	0.000017	ND(0.00000076) X
HpCDDs (total)	0.0000052 J	0.0000023 J	0.000010	0.000032	0.00000086 J	0.000036	ND(0.00000056)
OCDD	0.000023	ND(0.0000077)	0.000035	0.00013	ND(0.0000040) X	0.00013	ND(0.0000038)
Total TEQs (WHO TEFs)	0.00000096	0.00000087	0.0000034	0.0000089	0.00000082	0.0000053	0.00000080
Inorganics							
Antimony	1.80 B	ND(6.00)	1.10 B	ND(6.00)	1.20 B	ND(6.00)	ND(6.00)
Arsenic	14.0 J	8.20	5.30	5.40	9.90	6.90	7.40
Barium	72.0	32.0	34.0	32.0	44.0	56.0	27.0
Beryllium	0.550	ND(0.50)	0.310 B	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Cadmium	1.10	1.50	1.30	1.00	1.20	1.20	1.20
Chromium	13.0	14.0	10.0	7.90	12.0	9.60	12.0
Cobalt	11.0	12.0	9.10	6.30	11.0	7.20	10.0
Copper	43.0	20.0	20.0	20.0	23.0	29.0	18.0
Cyanide	0.110 B	0.350	0.110 B	0.120 B	0.110 B	0.190 B	0.0800 B
Lead	140	41.0	87.0	110	88.0	140	18.0
Mercury	0.170	0.0620 B	0.0850 B	0.100 B	0.110 B	0.230	0.0370 B
Nickel	22.0	18.0	16.0	13.0	20.0	14.0	17.0
Selenium	0.850 J	0.690 B	ND(1.00)	0.550 B	ND(1.00)	0.870 B	ND(1.00)
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	ND(6.10)	17.0	7.70	640	73.0	7.50	ND(5.70)
Thallium	ND(1.20) J	ND(1.20) J	ND(1.20) J	ND(1.10) J	ND(1.20) J	ND(1.20) J	ND(1.10) J
Tin	13.0	13.0	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Vanadium	17.0	14.0	10.0	8.40	13.0	13.0	10.0
Zinc	100	86.0	98.0	98.0	130	130	66.0

TABLE D-60
SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA
PARCEL I7-3-11

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by GE subcontractors and submitted for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:

Organics (semivolatiles, dioxin/furans)
- J - Estimated Value.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics
- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- J - Estimated Value.

TABLE D-61
COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs
PARCEL I7-3-11

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
Semivolatile Organics			
Acenaphthylene	0.91	55	No
Anthracene	0.37	14,000	No
Benzo(a)anthracene	1.1	0.56	**Yes**
Benzo(a)pyrene	1.3	0.056	**Yes**
Benzo(b)fluoranthene	0.8	0.56	**Yes**
Benzo(g,h,i)perylene	1.1	55	No
Benzo(k)fluoranthene	0.95	5.6	No
Chrysene	1.2	56	No
Fluoranthene	1.2	2,000	No
Indeno(1,2,3-cd)pyrene	0.63	0.56	**Yes**
Phenanthrene	0.29	55	No
Pyrene	1.8	1,500	No
Inorganics			
Antimony	1.8	30	No
Arsenic	14	0.38	**Yes**
Barium	72	5,200	No
Beryllium	0.55	150	No
Cadmium	1.5	37	No
Chromium	14	210	No
Cobalt	12	3,300	No
Copper	43	2,800	No
Cyanide	0.35	11	No
Lead	140	400	No
Mercury	0.23	22	No
Nickel	22	1,500	No
Selenium	0.87	370	No
Sulfide	640	350	**Yes**
Tin	13	45,000	No
Vanadium	17	520	No
Zinc	130	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of this Work Plan.
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

TABLE D-62
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-11 (0- TO 1-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Sample ID: Sample Depth(Feet): Parameter	3B-A9-17 0-1 12/09/04	3B-A9-18 0-1 12/09/04	3B-A9-19 0-1 12/09/04	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics							
Benzo(a)anthracene	1.1	**0.20**	0.38	N/A (See Note 5)	0.56	7	No
Benzo(a)pyrene	1.3	**0.20**	0.18	N/A (See Note 5)	0.56	2	No
Benzo(b)fluoranthene	0.80	0.30	0.30	N/A (See Note 5)	0.47	7	No
Indeno(1,2,3-cd)pyrene	0.63	**0.20**	0.12	N/A (See Note 5)	0.32	7	No
Dioxins/Furans							
Total TEQs (WHO TEFs)	0.00000096	0.0000034	0.0000053	5.30E-06	N/A (See Note 5)	1.00E-03	No
Inorganics							
Arsenic	14.0	5.30	6.90	N/A (See Note 5)	8.73	20	No
Sulfide	**3.05**	7.70	7.50	N/A (See Note 5)	6.08	633*	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

TABLE D-63
EXISTING CONDITIONS - COMPARISON TO MDEP PROPOSED WAVE 2 SOIL STANDARDS
PARCEL I7-3-11 (1- TO X-FOOT DEPTH INCREMENT)

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS
(Results in ppm, dry weight)

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	3B-A9-17 1-3 12/09/04	3B-A9-18 1-3 12/09/04	3B-A9-19 1-3 12/09/04	3B-A9-18 3-5 12/09/04
Semivolatile Organics				
Benzo(a)anthracene	0.21	0.26	**0.19**	**0.20**
Benzo(a)pyrene	**0.20**	0.22	**0.19**	**0.20**
Benzo(b)fluoranthene	**0.20**	0.26	**0.19**	**0.20**
Indeno(1,2,3-cd)pyrene	**0.20**	**0.19**	**0.19**	**0.20**
Dioxins/Furans				
Total TEQs (WHO TEFs)	0.00000087	0.0000089	0.0000008	0.00000082
Inorganics				
Arsenic	8.20	5.40	7.40	9.90
Sulfide	17.0	640	**2.85**	73.0

Parameter	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
Semivolatile Organics				
Benzo(a)anthracene	N/A (See Note 5)	0.22	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.20	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.21	7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.20	7	No
Dioxins/Furans				
Total TEQs (WHO TEFs)	8.90E-06	N/A (See Note 5)	1.00E-03	No
Inorganics				
Arsenic	N/A (See Note 5)	7.73	20	No
Sulfide	N/A (See Note 5)	183.21	633*	No

Notes:
1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. * = No MCP Method 1 Standard exists for sulfide, but an MCP Method 2 Soil Standard has been derived for carbon disulfide. Carbon disulfide is an EPA-approved surrogate for sulfide.

LEGEND:

- APPROXIMATE 10 YEAR FLOODPLAIN
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE HORIZONTAL LIMITS OF AVERAGING AREA
- FENCELINE
- 17-2-45 RESIDENTIAL PROPERTY PARCEL ID
- EXISTING APPENDIX IX+3 SURFACE SOIL LOCATION (0- TO 1-FOOT SAMPLE DEPTH)
- BOUNDARY OF FLOODPLAIN PROPERTIES
- AREA TO BE ADDRESSED BY EPA IN 1 1/2 MILE REACH REMOVAL AREA
- DRAIN LINE
- GAS LINE
- OVERHEAD ELECTRIC
- SANITARY SEWER LINE
- WATER LINE

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE FROM SURVEY BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NUMBER GE1091-001-CX101-M, DATED 11/24/04. SURVEY DATA BASED UPON AN AERIAL PHOTOGRAMMETRIC SURVEY DONE IN APRIL 2001 AND SUPPLEMENTED WITH FIELD SURVEY DONE BETWEEN OCTOBER AND NOVEMBER 2004. FEATURES ON PARCEL 17-2-46 FROM WESTON SOLUTIONS, 2003.
2. UTILITIES ARE SHOWN IN AN APPROXIMATED WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN.
3. THE PARCELS SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PREMISES. ALL RIGHTS AND EASEMENT MAY NOT BE DEPICTED HEREON.
4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.

0 40' 80'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

SUMMARY OF EXISTING APPENDIX IX+3 SOIL SAMPLING LOCATIONS FOR GROUP 3A (0- TO 1-FOOT DEPTH INCREMENT)

BBL® BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE
D-1

X: 40122X04.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
4/13/05 SYR-BS-BMW RLP BCP
N/40122004/RDRA/3A3B/40122G35.DWG

LEGEND:

- APPROXIMATE 10 YEAR FLOODPLAIN
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE HORIZONTAL LIMITS OF AVERAGING AREA
- FENCELINE
- 17-2-45 RESIDENTIAL PROPERTY PARCEL ID
- 3A-AB-22 EXISTING APPENDIX IX+3 SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- BOUNDARY OF FLOODPLAIN PROPERTIES
- AREA TO BE ADDRESSED BY EPA IN 1 1/2 MILE REACH REMOVAL AREA
- DRAIN LINE
- GAS LINE
- OVERHEAD ELECTRIC
- SANITARY SEWER LINE
- WATER LINE

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE FROM SURVEY BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NUMBER GE1091-001-CX101-M, DATED 11/24/04, SURVEY DATA BASED UPON AN AERIAL PHOTOGRAMMETRIC SURVEY DONE IN APRIL 2001 AND SUPPLEMENTED WITH FIELD SURVEY DONE BETWEEN OCTOBER AND NOVEMBER 2004. FEATURES ON PARCEL 17-2-46 FROM WESTON SOLUTIONS, 2003.
2. UTILITIES ARE SHOWN IN AN APPROXIMATED WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN.
3. THE PARCELS SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PREMISES. ALL RIGHTS AND EASEMENT MAY NOT BE DEPICTED HEREON.
4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.

0 40' 80'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

SUMMARY OF EXISTING APPENDIX IX+3 SOIL SAMPLING LOCATIONS FOR GROUP 3A (1- TO X-FOOT DEPTH INCREMENT)

BBL BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE
D-2

X: 40122X04.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
4/13/05 SYR-05-DMW RLP BOP
N/40122004/RDRA/3A3B/40122G36.DWG

LEGEND:

- APPROXIMATE 10 YEAR FLOODPLAIN
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE HORIZONTAL LIMITS OF AVERAGING AREA
- FENCELINE
- I7-2-45 RESIDENTIAL PROPERTY PARCEL ID
- ▲ 38-A9-14 EXISTING APPENDIX IX+3 SURFACE SOIL LOCATION (0- TO 1-FOOT SAMPLE DEPTH)
- BOUNDARY OF FLOODPLAIN PROPERTIES
- AREA TO BE ADDRESSED BY EPA IN 1 1/2 MILE REACH REMOVAL AREA
- DRAIN LINE
- GAS LINE
- OVERHEAD ELECTRIC
- SANITARY SEWER LINE
- WATER LINE

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE FROM SURVEY BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NUMBER GE1091-001-CX101-M, DATED 11/24/04. SURVEY DATA BASED UPON AN AERIAL PHOTOGRAMMETRIC SURVEY DONE IN APRIL 2001 AND SUPPLEMENTED WITH FIELD SURVEY DONE BETWEEN OCTOBER AND NOVEMBER 2004. FEATURES ON PARCEL I7-2-46 FROM WESTON SOLUTIONS, 2003.
2. UTILITIES ARE SHOWN IN AN APPROXIMATED WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN.
3. THE PARCELS SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PREMISES. ALL RIGHTS AND EASEMENT MAY NOT BE DEPICTED HEREON.
4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.

0 40' 80'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

SUMMARY OF EXISTING APPENDIX IX+3 SOIL SAMPLING LOCATIONS FOR GROUP 3B (0- TO 1-FOOT DEPTH INCREMENT)

BBL BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE D-3

X: 40122X04.DWG
L: (ON=*, OFF=REF*
P: IPASSET/PLT-BL
4/13/05 SYR-85-DMW .RLP .BGP
N/40122004/RDRA/3A3B/40122G37.DWG

LEGEND:

- APPROXIMATE 10 YEAR FLOODPLAIN
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE HORIZONTAL LIMITS OF AVERAGING AREA
- FENCELINE
- 17-2-45 RESIDENTIAL PROPERTY PARCEL ID
- EXISTING APPENDIX IX+3 SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- BOUNDARY OF FLOODPLAIN PROPERTIES
- AREA TO BE ADDRESSED BY EPA IN 1 1/2 MILE REACH REMOVAL AREA
- DRAIN LINE
- GAS LINE
- OVERHEAD ELECTRIC
- SANITARY SEWER LINE
- WATER LINE

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE FROM SURVEY BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NUMBER GE1091-001-CX101-M, DATED 11/24/04. SURVEY DATA BASED UPON AN AERIAL PHOTOGRAMMETRIC SURVEY DONE IN APRIL 2001 AND SUPPLEMENTED WITH FIELD SURVEY DONE BETWEEN OCTOBER AND NOVEMBER 2004. FEATURES ON PARCEL 17-2-46 FROM WESTON SOLUTIONS, 2003.
2. UTILITIES ARE SHOWN IN AN APPROXIMATED WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN.
3. THE PARCELS SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PREMISES. ALL RIGHTS AND EASEMENT MAY NOT BE DEPICTED HEREON.
4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.

0 40' 80'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

SUMMARY OF EXISTING APPENDIX IX+3 SOIL SAMPLING LOCATIONS FOR GROUP 3B (1- TO X-FOOT DEPTH INCREMENT)

BBL BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE D-4

X: 40122X04.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
4/13/05 SYR-185-DMW RLP BGP
N/40122004/RDRA/3A3B/40122G38.DWG

Appendix E

Derivation of the Method 2 Soil Standard for Sulfide

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engineers, scientists, economists

MEMORANDUM

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

To: Richard W. Gates, GE

Date: April 8, 2005

From: Lisa D. Arcand-Hoy

cc: Andrew C. Corbin
Corey R. Averill
James N. Nuss

Re: Method 2 Soil Standard for Sulfide
(Carbon Disulfide)

Pursuant to your request, Blasland, Bouck & Lee, Inc. (BBL) has derived a Method 2 S-1 Soil Standard that can be used to evaluate concentrations of sulfide in soil at residential properties. Given the absence of established toxicity values for sulfide, this Method 2 Soil Standard has been derived for carbon disulfide (which the U.S. Environmental Protection Agency has previously approved as a surrogate for sulfide in applying Preliminary Remediation Goals). This memorandum summarizes the basis for this derivation.

Derivation of the Method 2 Soil Standard for Sulfide (Carbon Disulfide)

The Massachusetts Contingency Plan (MCP) does not provide a Method 1 Soil Standard for sulfide (a detected analyte in some soil samples collected at residential properties located within the floodplain of the Housatonic River). Given the absence of toxicity values for sulfide, a Method 2 Soil Standard can be derived based on toxicity data for carbon disulfide (oral reference dose of 0.1 mg/kg-day) as a surrogate for sulfide.

The following provides the equation and assumptions used to derive the Method 2 S-1 Soil Standard for carbon disulfide in accordance with 310 CMR 40.0984(2)(a):

$$[OHM] = (RfD_{chronic} \times 0.2 \times C) / (RAF_{oral} \times 3.1) + (RAF_{dermal} \times 28.5)$$

where:

[OHM] = the concentration of compound in soil in units of mg/kg.

RfD = USEPA Reference Dose for carbon disulfide (0.1 mg/kg-day).

RAF_{oral} = The Relative Absorption Factor applicable for oral exposures (conservatively assumed to be 1) (dimensionless).

RAF_{dermal} = The Relative Absorption Factor applicable for dermal exposures (conservatively assumed to be 1) (dimensionless).

$C = 10^6$ mg/kg conversion factor.

0.2 = 20% source allocation factor.

Other numerical values = average daily exposure to the soil of concern by the oral and dermal pathway (mg_{soil}/kg_{bw}*day).

Using the equation and assumptions above, the MCP Method 2 S-1 Soil Standard for carbon disulfide is 633 mg/kg. Note that this value of 633 mg/kg is based on direct contact exposure and does not consider potential leaching to groundwater and odor thresholds (ceiling concentrations).

LDA/lda

Appendix F

Technical Specifications

BBL®
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engineers, scientists, economists

APPENDIX F

MATERIALS & PERFORMANCE SPECIFICATIONS

Section 02200 – Earthwork

Section 02207 – Restoration of Surfaces

Section 02212 – Topsoil, Seeding, and Mulch

Section 02222 – Fill Materials

Section 02600 – Bituminous Concrete Pavements

MATERIALS AND PERFORMANCE - SECTION 02200

EARTHWORK

PART 1 - GENERAL

1.01 DESCRIPTION

A. All labor, materials, services, and equipment necessary to complete the earthwork activities as depicted on the Technical Drawings and/or as directed by GE or GE's Representative.

B. Earthwork is defined to include, but is not limited to, clearing, rough grading, excavation, trenching, handling and disposal of surplus materials, maintenance of excavations, removal of water, backfilling operations, embankments and fills, and compaction.

1.02 RELATED WORK SPECIFIED ELSEWHERE

A. Section MP-02207 – Restoration of Surfaces

B. Section MP-02222 – Fill Materials

C. RD/RA Work Plan, Section 6.3 – Soil Removal Activities

D. RD/RA Work Plan, Section 8.4.5 – Erosion and Sedimentation Control Measures

E. RD/RA Work Plan, Section 8.5.1 – Soil Removal and Material Handling

F. RD/RA Work Plan, Section 8.6 – Perimeter Air Monitoring

1.03 APPLICABLE CODES, STANDARDS AND SPECIFICATIONS

A. American Society for Testing and Materials (ASTM).

1.04 SUBMITTALS

None.

PART 2 - PRODUCTS

See following sections.

PART 3 - EXECUTION

3.01 UNAUTHORIZED EXCAVATION

A. The Contractor shall not be entitled to any compensation for excavations carried beyond or below the lines and subgrades prescribed on the Technical Drawings. The Contractor shall refill such unauthorized excavations at its own expense and in conformance with the provisions of this section.

B. Should the Contractor, through negligence or for reasons of its own, carry its excavation below the designated subgrade, appropriate materials specified in Section MP-02222 - Fill Materials shall be furnished and placed as backfill in sufficient quantities to reestablish existing grades. Fill material used for backfilling shall be spread and compacted in conformance with the requirements of later subsections of this section.

C. All material that slides, falls, or caves into the established limits of excavations due to any cause whatsoever, shall be removed and disposed of at the Contractor's expense and no extra compensation will be paid to the Contractor for any materials ordered for refilling the void areas left by the slide, fall, or cave-in.

3.02 BACKFILL MATERIALS

A. Fill material shall be used as specified for backfill. Requirements for off-site fill material are specified in Section MP-02222 - Fill Materials.

B. Existing on-site material, designated as "native fill" or "existing soil" material shall not be used as backfill.

3.03 GENERAL BACKFILLING REQUIREMENTS

A. Backfill shall be started at the lowest section of the area to be backfilled.

B. Drainage of the areas being backfilled shall be maintained at all times.

C. Areas to be backfilled shall be inspected and approved by GE or GE's Representative prior to backfilling operations. All unsuitable materials and debris shall be removed.

D. Backfill material shall not be placed when moisture content is too high to allow proper compaction.

E. When material is too dry for adequate compaction, water shall be added to the extent necessary.

F. Backfill material shall not be placed on frozen ground nor shall the material itself be frozen or contain frozen soil fragments when placed.

G. No calcium chloride or other chemicals shall be added to prevent freezing.

H. Material incorporated in the backfilling operation that is not in satisfactory condition shall be subject to rejection and removal at the Contractor's expense.

I. The maximum lift thickness is 8 inches (measured prior to compaction).

3.04 COMPACTION AND DENSITY CONTROL

A. Compaction and Density Control

1. For shallow fills (less than 2 feet deep), compaction shall be performed by the equipment used to backfill the excavation.

2. For fills greater than two feet, a portable compactor shall be used. A minimum of two passes shall be made over all backfilled areas.

3. If, due to rain or other causes, the material exceeds the optimum moisture content, it shall be allowed to dry, assisted if necessary, before resuming compaction or filling efforts.

4. The Contractor shall be responsible for all damage or injury done to pipes, structures, property or persons due to improper placing or compacting of backfill.

3.05 GRADING

A. After the completion of all backfill operations, the Contractor shall grade the site to match the pre-excavation lines, grades, and elevations shown on the Technical Drawings, unless otherwise directed by GE, taking into account any subsequent site restoration requirements.

3.06 EXISTING FACILITIES

A General

1. Existing subsurface facilities may be encountered during construction of the work, or located in close proximity to the work.

2. These facilities may include, but are not necessarily limited to, sewers, drains, water mains, conduits and their appurtenances. These facilities may or may not be shown on the Technical Drawings. However, the sizes, locations, and heights or depths, if indicated, are only approximate and the Contractor shall conduct its operations with caution and satisfy itself as to the accuracy of the information given. The Contractor shall not claim nor shall it be entitled to receive compensation for damages sustained by reason of the inaccuracy of the information given or by reason of its failure to properly maintain and support such structures.

3. There may be other subsurface facilities, the existence and/or location of which are not known, such as individual water and gas services, electrical conduits, sanitary and storm sewer drains, etc. The Contractor shall consult with GE or GE's Representatives of such facilities and, if possible, shall determine, prior to construction, the location and depth of any such facilities that may exist in the area to be excavated.

4. If underground facilities are known to exist in an area but their location is uncertain, the Contractor shall exercise reasonable care in its excavation technique to avoid damage to them.

5. The Contractor shall notify Massachusetts DIGSAFE at least 72 hours prior to any site work.

B. Notification and Protection Procedures

1. Except where superseded by state or local regulations, or in the absence of any applicable regulations, the Contractor shall, at a minimum, include the following procedures in its operations:

a. Prior to Excavating:

1) Determine correct field location of all nearby underground facilities or arrange for Representatives of the utilities to locate them.

2) Notify owners of nearby underground facilities when excavation is to take place, allowing them reasonable time to institute precautionary procedures or preventive measures which they deem necessary for protection of their facilities.

3) In cooperation with owners of nearby facilities, provide temporary support and protection of those underground facilities that may be especially vulnerable to damage by virtue of their physical condition or location, or those that could create hazardous conditions if damaged.

b. Immediately notify any utility owner of any damage to its underground facilities resulting from the Contractor's operations, and arrange for repairs to be made as soon as possible.

c. In case of any emergency the Contractor shall follow the Contingency and Emergency Procedures Plan outlined in GE's Project Operations Plan. This document will be provided upon request of the Contractor.

3.07 OTHER REQUIREMENTS

A. Unfinished work

1. When, for any reason, the work is to be left unfinished, all excavations shall be filled and all roadways and watercourses left unobstructed with their surfaces in a safe and satisfactory condition.

B. Hauling Material on Street

1. When hauling material over the streets or pavement, the Contractor shall provide suitably tight-sealing vehicles so as to prevent deposits on the streets or pavements. In all cases where any materials are dropped from the vehicles, the Contractor shall clean up the same as often as required to keep the crosswalks, streets, and pavements clean and free from dirt, mud, stone, and other hauled material.

2. When hauling materials that contain PCBs or other hazardous constituents, the Contractor shall abide by all applicable federal, state, and local codes.

C. Dust Control

1. It shall be the sole responsibility of the Contractor to control the dust created by any and all of its operations to such a degree that it will not endanger the safety and welfare of the general public.

- END OF SECTION -

MATERIALS AND PERFORMANCE - SECTION 02207

RESTORATION OF SURFACES

PART 1 - GENERAL

1.01 DESCRIPTION

A. All types of surfaces, structures and appurtenances disturbed, damaged, or destroyed during the performance of the work under or as a result of the operations of the Contract, shall be restored and maintained, as specified herein or as directed by GE or GE's Representative.

B. The quality of materials and the performance of work used in the restoration shall produce a surface or feature equal to or better than the condition of each before the work began, as approved by GE or GE's Representative.

1.02 RELATED WORK SPECIFIED ELSEWHERE

A. Section MP-02200 – Earthwork

B. Section MP-02212 – Topsoil, Seeding, and Mulch

C. Section MP-02222 – Fill Materials

D. Section MP-02600 – Bituminous Concrete Pavements

1.03 SUBMITTALS

A. A schedule of restoration operations shall be submitted by the Contractor for review.

1.04 SCHEDULE OF RESTORATION

A. After an accepted schedule has been agreed upon, it shall be adhered to unless otherwise revised with the approval of GE or GE's Representative.

B. The replacement of surfaces at any time, as scheduled or as directed, shall not relieve the Contractor of responsibility to repair damages by settlement or other failures.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. Any offsite topsoil shall be unfrozen, friable, natural loam and shall be free of clay lumps, brush needs, litter, stumps, stones, and other extraneous matter. The topsoil shall have an organic content between 5% and 20%, and a pH between 5.5 and 7.5.

B. Backfill and topsoil shall be certified clean by the materials supplier.

C. Topsoil shall have demonstrated by the occurrence of healthy crops, grass, or other vegetative growth, that it is reasonably well-drained and capable of supporting plant growth. Topsoil shall have less than 10 percent gravel by volume and be free of stones over ½-inch in diameter.

PART 3 - EXECUTION

3.01 LAWNS AND IMPROVED AREAS

A. The area to receive topsoil shall be graded to a depth of not less than 6 inches or as specified, below the proposed finish surface.

B. The furnishing and placing of topsoil, seed, and mulch shall be performed by the Contractor.

C. Any washout or damage which occurs prior to or after restoring surface with topsoil, seed, and mulch shall be regraded and/or repaired as necessary by the Contractor.

3.02 SIDEWALKS

A. In general, all sidewalks shall be constructed or reconstructed by the Contractor in accordance with the current Mass Highway Specifications of Highways and Bridges (Mass Highway Specifications). Mass Highway Specifications shall apply to the materials to be supplied and to construction procedures, except as modified herein.

B. It shall be the Contractor's responsibility to perform all work within the prescribed temperature, moisture, and weather limitations imposed by the Mass Highway Specifications.

C. Where new or replacement cement concrete sidewalk is to meet an existing sidewalk, the existing sidewalk shall be removed back to the first expansion or construction joint unless specified otherwise by GE or on the Technical Drawings.

D. Any valve boxes, curb boxes, manhole covers, etc., encountered or to be located in the sidewalk area shall be adjusted so that the cover is flush with the top surface of the sidewalk. All valve boxes, etc., shall be left in such a way that the covers are easily removed and the boxes shall function in the manner in which they were intended. All covers shall be cleaned and restored to their original condition, free from concrete and asphalt.

E. The finished grade and alignment of sidewalk replacements to match existing conditions prior to removal.

F. New concrete walks at street intersections shall be constructed with ramps in accordance with Mass Highway Specifications.

G. The subgrade shall be free from all bumps, depressions, standing water, roots, organic material, and all deleterious material. The subgrade shall be graded, leveled, and compacted to a smooth surface, parallel to the final surface. This subgrade shall be at a depth 10 inches below final grade for cement concrete sidewalks and at a depth 8-inches below final grade for asphalt concrete sidewalks. Except that at driveways, the subgrade shall be at an additional 2-inches in depth.

H. The 6-inch thick subbase material shall be installed on the finished subgrade. The subbase material shall be the same material listed for pavement subbase and shall be adequately compacted.

I. Any sidewalk, constructed or reconstructed, which is subsequently damaged due to negligence or activity of work, or failure to protect surfaces from becoming marked by vehicular or pedestrian traffic, shall be removed and replaced by the Contractor at no additional cost to GE. For a period of one year after completion of the project, the Contractor shall promptly maintain, repair, and/or replace any sidewalk which settles, cracks, or becomes damaged due to settlement or defective materials or workmanship. If settlement of + ¼-inch or more as measured length or width of each square block has occurred, the sidewalk shall be removed and the subbase restored to proper grade before restoration of the surface course.

3.03 OTHER TYPES OF RESTORATION

A. Water courses shall be reshaped to the original grade and cross-section and all debris removed. Where required to prevent erosion, the bottom and sides of the water course shall be protected.

B. Culverts destroyed or removed as a result of the construction operations shall be replaced in like size and material and shall be replaced at the original location and grade. When there is minor damage to a culvert and with the consent of the GE, a repair may be undertaken, if satisfactory results can be obtained.

C. Fences destroyed or removed as a result of the construction operations shall be replaced in like size and material and shall be replaced at the original location.

D. All small structures (e.g., storage sheds, swing sets, etc.) that were relocated for the excavation activities will be returned to their original location or new locations chosen by the property owner.

- END OF SECTION -

MATERIALS AND PERFORMANCE - SECTION 02212

TOPSOIL, SEEDING, AND MULCH

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work under this section consists of furnishing and placing of topsoil, fertilizer, seed, mulch, erosion control matting, and maintenance of seeded areas until final acceptance.

1.02 RELATED WORK SPECIFIED ELSEWHERE

A. Section MP-02200 – Earthwork

B. Section MP-02207 – Restoration of Surfaces

C. RD/RA Work Plan, Section 6.5 – Backfilling Excavations

D. RD/RA Work Plan, Section 8.5.6 – Restoration of Disturbed Vegetation

1.03 SUBMITTALS

A. Analysis of the seed (to demonstrate compliance with the seed mix identified in Section 2.01D of this specification) and fertilizer (to identify chemical composition), and proposed application rates (to demonstrate compliance with the fertilizer application rate identified in Section 3.01B of this specification).

B. Should hydroseed be used, the Contractor shall submit all data including material and application rates and methods.

C. Sample of topsoil to be tested by GE for chemical contaminants as discussed in this Work Plan, Section 6.5 – Backfilling Excavations.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Any offsite topsoil shall be unfrozen, friable, natural loam and shall be free of clay lumps, brush needs, litter, stumps, stones, and other extraneous matter. The topsoil shall have an organic content between 5% and 20%, and a pH between 5.5 and 7.5.

B. Fertilizer shall be a standard quality commercial carrier of available plant food elements (i.e., a complete prepared and packaged material containing a minimum of 5% nitrogen, 10% phosphoric acid, and 10% potash).

1. Each bag of fertilizer shall bear the manufacturer's guaranteed statement of analysis.

C. Seed mixtures shall be of commercial stock of the current season's crop and shall be delivered in unopened containers bearing the guaranteed analysis of the mix. All seed shall meet the State standards of germination and purity.

D. Seed mix to be used in vegetated areas shall consist of the following mixture: 65% Kentucky Blue Grass, 20% Perennial Rye Grass, and 15% Fescue. The seed mixture will be seeded at a rate of 150 pounds per acre.

E. Mulch shall be stalks of oats, wheat, rye, or other approved crops free from noxious weeds and coarse materials.

F. Temporary erosion control matting shall be S75 as manufactured by North American Green, or equivalent.

G. Permanent erosion control matting shall be P300P as manufactured by North American Green, or equivalent.

PART 3 - EXECUTION

3.01 INSTALLATION

A. The topsoil shall be applied in a single loose lift and shall have a final minimum thickness of 6 inches. No compaction is required or allowed. Following placement of topsoil and prior to fertilizer application, all stones greater than 1-inch in diameter, sticks, and other deleterious material shall be removed.

B. The fertilizer shall be applied to the surface uniformly at the rate of 20 pounds per 1,000 square feet.

1. Following the application of the fertilizer and prior to application of the seed, the topsoil shall be scarified to a depth of at least 2 inches with a disk or other suitable method traveling across the slope if possible.

   a. After the soil surface has been fine-graded, the seed mixture shall be uniformly applied upon the prepared surface with a mechanical spreader at a rate specified by the seed manufacturer.

   b. The seed shall be raked lightly into the surface.

   c. Seeding and mulching shall not be done during windy weather.

   d. Mulch (where used) shall be hand or machine spread to form a continuous blanket over the seed bed, approximately 2 inches in uniform thickness at loose measurement with a minimum of 90% surface coverage. Excessive amounts or bunching of mulch shall not be permitted.

   e. Unless otherwise specified, mulch shall be left in place and allowed to decompose.

2. Any mulch that has not disintegrated at time of first mowing shall be removed.

   a. Seeded areas shall be watered as often as required to obtain germination and to obtain and maintain a satisfactory sod growth. Watering shall be performed in such a manner as to prevent washing out of seed and mulch.

b. Hydroseeding may be accepted as an alternative method of applying fertilizer, seed, and mulch. The Contractor must submit all data regarding materials and application rates to GE or GE's Representative for review.

c. Temporary and permanent erosion control matting shall be installed in accordance with manufacturer's specifications.

3.02 MAINTENANCE

A. All erosion rills or gullies within the topsoil layer shall be filled with additional approved topsoil, graded smooth, and re-seeded and mulched.

B. The Contractor shall also be responsible for repairs to all erosion of the seeded areas until all new grass is firmly established and reaches a height of not less than 4 inches. All bare or poorly vegetated areas must be re-seeded and mulched.

- END OF SECTION -

MATERIALS AND PERFORMANCE - SECTION 02222

FILL MATERIALS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work under this section shall include, but not necessarily be limited to, supplying all labor and materials, excavating, transporting, dumping, spreading, and compacting fill material in the locations and to the depth shown on the Technical Drawings and/or as directed by GE or GE's Representative.

1.02 RELATED WORK SPECIFIED ELSEWHERE

A. Section MP-02200 – Earthwork

B. RD/RA Work Plan, Section 6.5 – Backfilling Excavations

C. RD/RA Work Plan, Section 8.5.3 – Backfilling of Excavations

1.03 APPLICABLE CODES, STANDARDS, AND SPECIFICATIONS

A. American Society for Testing Materials (ASTM).

B. American Association of State Highway and Transportation Officials (AASHTO).

C. Massachusetts Highway Department Standard Specifications for Highways and Bridges (MHD).

1.04 SUBMITTALS

A. Sieve analysis of all granular materials.

B. Sample of soil to be tested for chemical contaminants as discussed in this Work Plan, Section 6.5 – Backfilling Excavations.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Soil fill material shall be free from excessive moisture, frost, stumps, trees, roots, sod, muck, marl, vegetable matter, or other unsuitable materials, and demonstrated to be clean based on chemical analysis. Soil fill shall consist of clean common earth fill, free from organic material, coatings, sharp angular stones, and other deleterious materials, and shall have a maximum particle size of 3 inches. Soil fill shall have the following gradation by weight:

Sieve	Percent Passing
3 inch	100
No. 200	10-30

B. Backfill material shall be inspected prior to placement and all roots, vegetation, organic matter, or other foreign debris shall be removed.

C. Stones shall not be allowed to form clusters with voids.

PART 3 - EXECUTION

3.01 FILL PLACEMENT

A. In general, fill material shall be placed and compacted in horizontal layers not exceeding those thicknesses indicated in Section MP-02200 - Earthwork. Subgrade that will receive fill material shall be first approved by GE or GE's Representative. Fill material shall not be placed in areas that will not support the weight of construction equipment.

3.02 CRITERIA AND TOLERANCES

A. Fill material shall be constructed to such heights as to make allowance for post-construction settlement. Any settlement that occurs before final acceptance of the Contract shall be corrected to make the backfill conform to the required lines and grades.

- END OF SECTION -

MATERIALS AND PERFORMANCE - SECTION 02600

BITUMINOUS CONCRETE PAVEMENTS

PART 1 - GENERAL

1.01 DESCRIPTION

A. The Contractor shall be responsible for providing all labor, equipment, and materials required for replacement of bituminous concrete paving over removed driveways or other paved areas as shown on the drawings and as specified herein.

1.02 RELATED WORK SPECIFIED ELSEWHERE

A. Section MP-02222 – Fill Materials

1.03 APPLICABLE CODES, STANDARDS, AND SPECIFICATIONS

A. American Society of State Highway and Transportation Officials (AASHTO).

B. Massachusetts Highway Department Standard Specification for Highways and Bridges (Mass Highway Specifications).

1.04 TIME OF CONSTRUCTION

A. The Contractor shall:

1. Apply prime and tack coats when ambient temperature is above 50°F, and when temperature has not been below 35°F for 12 hours immediately prior to application. The Contractor may not install paving when the base is wet or contains excess moisture.

2. Construct bituminous concrete wearing surface when surface temperature is above 42°F and when the binder is dry.

3. Base course may be placed when air temperature is above 32°F and rising.

4. Establish and maintain required lines and elevations.

PART 2 - PRODUCTS

2.01 SUBBASE COURSE

A. Subbase course material must be capable of achieving the gradation and compaction requirements as presented in Section MP 02222.

2.02 BASE COURSE AGGREGATE

A. The crushed aggregate for the bituminous concrete base course shall conform to the requirements of the Mass Highway Specifications.

2.02 BITUMINOUS BINDER

A. The binder shall be asphalt cement conforming to the requirements of AASHTO 20.

2.04 WEARING SURFACE

A. The wearing surface shall be Type 1-2. The material shall conform to quality requirements as stated in the Mass Highway Specifications.

PART 3 - EXECUTION

3.01 SURFACE PREPARATION

A. Remove loose matter from the compacted subbase surface immediately before applying prime coat.

B. Proof-roll prepared subbase to check for unstable areas and areas requiring additional compaction.

C. Notify appropriate personnel of unsatisfactory subbase conditions. Paving work may not proceed until deficient subbase areas have been corrected and are ready to receive paving.

D. Apply tack coat to contact surfaces of previously constructed asphalt or Portland cement concrete and surfaces abutting or projecting into asphalt concrete pavement. The Contractor shall distribute tack coat at rate of 0.05 to 0.15 gallons per square yard of surface.

E. Allow drying of all surfaces until they are of the proper condition to receive paving.

3.02 PAVING

A. General

1. Place concrete mixture on prepared surface, spread, and strike-off. Spread mixture at minimum temperature of 225°F (107°C). Place inaccessible and small areas by hand. Place each course to required grade, cross-section, and compacted thickness.

B. Pavement Placing

1. Place in strips not less than 10 inches wide, unless otherwise acceptable to GE or GE's Representative. After strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Complete base course for a section before placing surface course.

C. Joints

1. Make joints between old and new pavements or between successive days' work, to ensure a continuous bond between adjoining work. Construct joints to have same texture and smoothness as other sections of bituminous concrete. Clean concrete surfaces and apply tack coat.

3.03 ROLLING

A. General

1. Begin rolling when mixture will bear roller weight without excessive displacement.

2. Compact mixture with hot tampers or vibrating plate compactors in areas inaccessible to rollers.

B. Breakdown Rolling - Accomplish breakdown rolling immediately following rolling of joints and outside edge. Check surface after breakdown rolling and repair displaced areas by loosening and filling, if required, with hot material.

C. Second Rolling - Follow breakdown rolling as soon as possible while mixture is hot. Continue rolling until mixture has been thoroughly compacted.

D. Finish Rolling - Perform finish rolling while mixture is still warm enough for removal of roller marks. Continue rolling until marks are eliminated and course has attained maximum density.

E. Patching - Remove and replace paving areas mixed with foreign materials and defective areas. Cut out such areas and fill with fresh, hot bituminous concrete. Compact by rolling mixture to maximum surface density and smoothness.

F. Protection - After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.

G. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

- END OF SECTION -

Appendix G

Contractor Submittal Tracking Form

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engineers, scientists, economists

Appendix G
General Electric Company
Pittsfield, Massachusetts

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

Contractor Submittal Tracking Form

Item No.	Submittal Description	Specification Reference (see Note 2)	Date Received	Review Conducted by:		Interim Status/Date (see Note 1)	Final Status/Date (see Note 1)	Notes
				GE Project Manager	Design Engineer			
1	Operations Plan - The Plan shall address, but not be limited to the following items:	Section 8.3						
	• List of Equipment to be used on-site.	Section 8.3						
	• Residential property protection procedures.	Section 8.3						
	• Work Schedule	Section 8.3						
	• The Contractor's proposed plan for controlling vehicular and pedestrian traffic while performing construction and operational activities..	Section 8.3						
	• Proposed excavation stabilization measures.	Section 8.3						
	• The Contractor's qualifications package (if requested by GE).	Section 8.3						
	• Stormwater (including run-on and run-off), erosion, noise, and dust control measures.	Section 8.3						
	• The Contractor's proposed excavation approach	Section 8.3						
	• Materials handling and staging approach.	Section 8.3						
	• Equipment cleaning procedures.	Section 8.3						
2	Health and Safety Plan - The Plan shall address, but not be limited to the following items (Refer to Note 3):	Section 8.3						
	• Identification of Key Personnel	Section 8.3						
	• Training	Section 8.3						
	• Medical Surveillance	Section 8.3						
	• Site Hazards	Section 8.3						
	• Work Zones	Section 8.3						
	• Personal Safety Equipment and Protective Clothing	Section 8.3						
	• Personal Air Monitoring	Section 8.3						
	• Personnel/Equipment Cleaning	Section 8.3						
	• Confined Space Entry	Section 8.3						
	• Material Safety Data Sheets	Section 8.3						
	• Construction Safety Procedures	Section 8.3						
	• Standard Operating Procedures	Section 8.3						
3	Contingency Plan - The Plan shall address, but not be limited to the following items:	Section 8.3						
	• Spill prevention control and countermeasures plan for all materials brought on site.	Section 8.3						
	• Emergency vehicular access/egress.	Section 8.3						
	• Evacuation procedures of personnel from the work sites.	Section 8.3						
	• For work sites that include or are adjacent to a surface water drainage way, a flood control contingency plan to identify measures to protect the work site(s) and the waterway from impacts in the event of a high water and/or flood conditions.	Section 8.3						
	• List of all contact personnel with phone numbers and procedures for notifying each.	Section 8.3						
	• Routes to local hospitals	Section 8.3						
	• Identification of responsible personnel who will be in a position at all times to receive incoming phone calls and to dispatch Contractor personnel and equipment in the event of an emergency situation.	Section 8.3						
4	Identification of backfill sources and locations and analytical data for samples collected from each source (unless the source(s) have already been approved based on previously submitted analytical data).	Section 6.5/8.3						
5	Record Drawings to document any deviations from the work specified in the RFP. Deviations shall be noted on the Record Drawings as soon as possible following their identification by the Contractor, GE, or GE's Representative.	Section 9.2						

Appendix G
General Electric Company
Pittsfield, Massachusetts

RD/RA WORK PLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

Contractor Submittal Tracking Form

Item No.	Submittal Description	Specification Reference (see Note 2)	Date Received	Review Conducted by:		Interim Status/Date (see Note 1)	Final Status/Date (see Note 1)	Notes
				GE Project Manager	Design Engineer			
6	Daily Construction Reports prepared by GE's Representative will include documentation of problems and/or deficiencies noted during construction (e.g., when construction material or activity is observed or tested that does not meet the specified requirements), and corrective action employed to address the problems or deficiencies. The documentation reports will be cross-referenced to the reports, data sheets, forms, and check lists that contain data or observations leading to the determination of a problem or deficiency. Problem and deficiency identification and corrective action documentation.	--						
7	Restoration of Surfaces - A schedule of restoration operations.	Materials and Performance - Section 02207 (1.03)(A)						
8	Fill Materials - Sieve analysis of all granular materials.	Materials and Performance - Section 02222 (1.04)(A)						
9	Fill Materials - Sample of backfill materials to be tested for chemical contaminants as discussed in this Work Plan.	Materials and Performance Section 02222 (1.04)(B)						
10	Topsoil, Seeding, and Mulch - Analysis of the seed and fertilizer, and proposed application rates.	Materials and Performance Section 02212 (1.03)(A)						
11	Topsoil, Seeding, and Mulch - Should hydroseed be used, the Contractor shall submit all data including material and application rates.	Materials and Performance - Section 02212 (1.03)(B)						
12	Topsoil, Seeding, and Mulch - Sample of topsoil to be tested by GE for chemical contaminants.	Materials and Performance Section 02212 (1.03)(C)						

Notes:

1. Submittal status nomenclature is as follows:
   - R - Reviewed
   - N - Reviewed and noted
   - S - Resubmit
   - J - Rejected

2. All Section, Specification, and Drawing references are to the *Final Work Plan* (BBL, April 2005).

3. The Health and Safety Plan is required for GE record-keeping purposes only and therefore GE and BBL will conduct a review of the plan for completeness only. Determination of the appropriate level of worker safety, equipment, and procedures based on site conditions must be made by the Contractor based on site visits, review of available information, and anticipated site activities.

4. Shaded item numbers indicate submittals required by GE but not subject to submittal to EPA as part of the supplemental information package.

Appendix H

Ambient Air Monitoring Program

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SCOPE OF WORK

for

Ambient Air PCB & Particulate Monitoring
at Area 3A & 3B

General Electric Company
Pittsfield, Massachusetts

Prepared by

Berkshire Environmental Consultants, Inc.
152 North Street, Suite 250
Pittsfield, MA 01201

March 2005

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7.0 PCB Sample Documentation, Handling and Shipment

8.0 Meteorological Monitoring

9.0 Documentation and Reporting

10.0 Action Levels
- 10.1 PCBs
- 10.2 Particulate Matter

1.0 INTRODUCTION

This Scope of Work (SOW) describes the ambient air monitoring for polychlorinated biphenyls (PCBs) and particulate matter which will be conducted during soil remediation actions at Groups 3A and 3B of the Phase 3 Floodplain Properties Adjacent to the 1 ½ Mile Reach in Pittsfield, MA. Soil removal will be taking place at Parcels I7-2-26, I7-2-30 through I7-2-33, I7-2-35, I7-2-36, I7-2-44 and I7-2-45 in Group 3A and at I7-3-5 through I7-3-7 and I7-3-10 in Group 3B. These properties are located between Howard Street and the west bank of the East Branch Housatonic River (Group 3A), and between Appleton Avenue and the east bank of the East Branch Housatonic River (Group 3B), in Pittsfield, Massachusetts.

2.0 SAMPLING OBJECTIVE

The objectives of this sampling program are two-fold:

1. To obtain valid and representative data on ambient levels of PCBs around the remedial site before and during remedial activities to insure that the activities are not causing an unacceptable increase in ambient air concentrations of PCB.

2. To obtain valid and representative data on ambient levels of particulate around the remedial site before and during soil remediation activities to insure that the remedial activities are not causing an unacceptable increase in ambient air concentrations of particulate.

3.0 SITE ACTIVITY

As described in the Final Work Plan, the on-site activities to be performed at the Group 3A and 3B properties include the performance of soil removal/replacement at the residential properties discussed above. It is anticipated that the remediation activities described in the Final Work Plan will be performed in two phases of work, with Area 3A occurring in one phase and Area 3B occurring in one phase. Performance of the remediation work presented in the Final Work Plan is subject to review and approval by the United States Environmental Protection Agency (US EPA) and the Massachusetts Department of Environmental Protection (MDEP) (together, the Agencies), as well as execution of owner access agreements.

This ambient air monitoring program includes particulate and PCB monitoring during soil remediation activities.

4.0 PCB MONITORING PROGRAM

4.1 *High Volume PCB Sampling*

The high volume PCB sampling program will include the following elements:

High-Volume Monitoring Locations	3
Background Sites	1
Co-Located Sites (Field Duplicates)	1
Sampling Time	24 hours per sampling event
Sampling Period	Duration of soil remediation activity
Frequency of Sampling	Twice prior to the onset of soil remediation activity and once every four weeks during remediation activity*
No. of Blanks Per Sampling Event	1
Sampling Method	EPA Compendium Method TO-4A
Analytical Method	GC/ECD or GC/MS as described in EPA Method TO-4A

* Sampling frequency may be increased if either PCB or particulate monitoring levels exceed threshold values.

Ambient air monitoring for PCBs will be conducted during soil remediation activities. Sampling will be conducted for two 24-hour periods prior to the initiation of remediation and will proceed once every 4 weeks during soil remediation. At least one 24-hour PCB sampling event will be performed during each Phase (i.e. Area 3A and Area 3B) of activity. The ambient air monitoring frequency for PCBs may be increased to bi-weekly in the event that ambient particulate concentrations at any one location consistently exceed the proposed particulate notification level (i.e. >120 $\mu g/m^3$). "Consistently exceeding" will be defined as concentrations greater than 120 $\mu g/m^3$ on three consecutive 10-hour days or 5 days in any two-week period. Once PCB concentrations are below PCB action levels (see Section 10 of this Scope of Work) for two consecutive bi-weekly events, then PCB sampling frequency will revert to once every four weeks.

PCB background monitoring will be conducted prior to any on-site soil remediation activity at four locations on the perimeter of Area 3A and 3B (locations 3A-1, 3A-2, 3B-1, and 3B-2 as shown on Figures H-1 & H-2). During soil remediation activity, PCB monitoring will be conducted at three locations surrounding the activity and one appropriate background location to be determined. Preliminary monitoring sites have been identified for the soil remediation activity (as shown on Figures H-1 & H-2). Monitoring locations 3A-1, 3A-2, and 3A-3 will be utilized for PCB monitoring during soil removal activities on the Group 3A properties. Likewise locations 3B-1, 3B-2, and 3B-3 will be utilized for PCB monitoring during soil removal activities on Group 3B.

The specific sampling locations for monitors will be selected based on the location and nature of the soil remediation activity, predominant wind direction, the location of potential receptors, physical obstructions (i.e. trees, buildings), the availability of power, site security, site accessibility, etc.

The detection limit (DL) for PCB analysis of the high volume samples will be 0.0003 $\mu g/m^3$, in consideration of the following:

Avg. Sampling Rate	0.225 m^3/min.
Avg. Sample Volume	324 m^3/PUF
Analytical DL	0.1 μg/PUF
Project DL	0.0003 $\mu g/m^3$

The sampling method to be used for PCBs in the high volume samples is US EPA Compendium Method TO-4A, Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD). This method employs a modified high volume sampler consisting of a glass fiber filter with a polyurethane foam (PUF) backup absorbent cartridge to sample ambient air at a rate of 0.225 m^3/min. A General Metal Works Model GPS-1 Sampler or equivalent will be used. The filter and cartridge will be placed in clean, sealed containers and returned to the laboratory for analysis.

Procedures for sample media preparation and calibration of the sampling system are specified in Method TO-4A. TO-4A further specifies procedures for calculation and data reporting, and the assessment of data for accuracy and precision.

The samplers will be monitored at six-hour intervals over each 24-hour sampling period. During these six-hour checks, barometric pressure, temperature, and magnehelic pressure readings will be taken and the air flow adjusted to the target flow rate, as necessary. At the end of the sampling period, the sampling modules containing the fiber filters and PUF adsorbents will be removed from the samplers. Each glass fiber filter will be folded and placed on the PUF adsorbent for that sample and each sample consisting of a fiber filter and PUF adsorbent (inside a glass cartridge) will be wrapped in hexane rinsed aluminum foil. Each fiber filter and PUF adsorbent set will be labeled as one sample. The samples will be wrapped, packaged in blue ice and sent under chain-of-custody to the laboratory for analysis.

The PCB sampling probe height for all high volume monitors will be approximately 2.0 meters above the ground. This height is adequate to represent the breathing zone and to be above the influence of ground activity around the monitor. The location of the samplers will be in conformance, to the extent practical, with the siting requirements for ambient monitors in Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD), U.S. EPA. May, 1987.

4.2 *Analytical Procedures*

In the high volume samples, the PCBs will be recovered by Soxhlet extraction with 10% diethyl ether in hexane. The extracts will be reduced in volume using Kuderna-Danish (K-D) concentration techniques and subjected to column chromatographic cleanup. The extracts will be analyzed for PCBs using gas chromatography with either electron capture detection (GC/ECD) or mass spectrometry detection (GC/MS) as described TO-4A.

The samples will be analyzed for the following PCB Aroclors:

PCB-1016	PCB-1221
PCB-1232	PCB-1242
PCB-1248	PCB-1254
PCB-1260	

5.0 PARTICULATE MONITORING

Ambient air monitoring for particulate matter will be conducted during all soil remediation activities. Specifically, real-time ambient particulate monitoring will be performed during all active on-site soil remediation activities. Such monitoring will be conducted at three on-site locations, which may vary slightly as site activities progress, and at one appropriate background location on Longview Terrace in Pittsfield, Massachusetts. Preliminary monitoring sites have been identified in Figures H-1 & H-2. The specific locations for stations will be selected based on the location and nature of the soil remediation activities, predominant wind direction, location of potential receptors, availability of power, site accessibility, and site security.

At the background and at least one on-site location, real-time particulate monitoring will be performed using a MIE dataRAM Model DR-2000 real time particulate monitor or equivalent. Each Model DR-2000 monitor or equivalent is equipped with a temperature conditioning heater and in-line impactor head to monitor and record particulate concentrations with a mean diameter less than 10 micrometers (PM_{10}). At the remaining three on-site locations, real-time particulate monitoring will be performed using a MIE dataRAM Model pDR-1000 or equivalent. Particulate monitoring will typically be conducted at all sites for approximately 10 hours daily, from 7 a.m. to 5 p.m., during soil remediation activities. Additional site activities may warrant a longer monitoring period. Particulate data will be recorded and averaged by the instruments' dataloggers every 15 minutes.

Calibrations and maintenance will be conducted at the frequency and in accordance with the procedures recommended by the manufacturer. All calibrations will be recorded.

6.0 QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

Quality assurance and quality control (QA/QC) procedures for the PCB air sampling program follow those described in the Ambient Air Monitoring Plan contained in the GE Project Operations Plan (AAMP/POP) and Method TO-4A. Quality assurance and quality control for the particulate sampling will be based on manufacturer's recommendations.

7.0 PCB SAMPLE DOCUMENTATION, HANDLING AND SHIPMENT

Each filter holder and PUF cartridge holder will be pre-marked with a permanent identification number. As each sample is collected, it will be recorded on a field data form along with the date, time and location of collection.

All samples will be securely wrapped for shipment. PCB samples will be preserved at 4°C and shipped on blue ice. Samples will be shipped under chain-of-custody by commercial overnight carrier or courier to the analytical laboratory. Complete details on the PCB sample shipment procedures are contained in the AAMP/POP.

8.0 METEOROLOGICAL MONITORING

Meteorological data from the Climatronics Electronic Weather Station (EWS) operated at the GE facility in Pittsfield, Massachusetts will be included with the sampling results. This EWS has been operating continuously since 1991 at the GE facility in East Street Area 2 providing data to support other GE activities under the MCP. The EWS measures and records wind speed, wind direction, precipitation, temperature, relative humidity and integrated solar radiation. The siting of the meteorological station was established with the approval of DEP. The station was installed and continues to operate in accordance with EPA On-site Meteorological Program Guidance for Regulatory Modeling Applications and a Site Specific Meteorological Monitoring Quality Assurance Project Plan. The operation of the EWS has been successfully audited by Massachusetts Department of Environmental Protection (DEP).

9.0 DOCUMENTATION AND REPORTING

Particulate data will be summarized and reported to the GE Project Manager and the Blasland, Bouck & Lee (BBL) Project Manager. If there is an exceedance of a reporting threshold, GE will be notified as soon as possible. All field and laboratory data recorded during ambient monitoring will be documented according to the procedures in the AAMP/POP. A written report summarizing the results will be provided to GE and BBL within one month after the conclusion of sampling and will include the following:

Date and Time of Sampling
Sampling Locations
Calibration and Maintenance Activities

Pollutants Monitored
Number of Samples Collected
Analytical Results
Quality Assurance Assessment
Meteorological Data Summary
Discussion of Problems or Disruptions

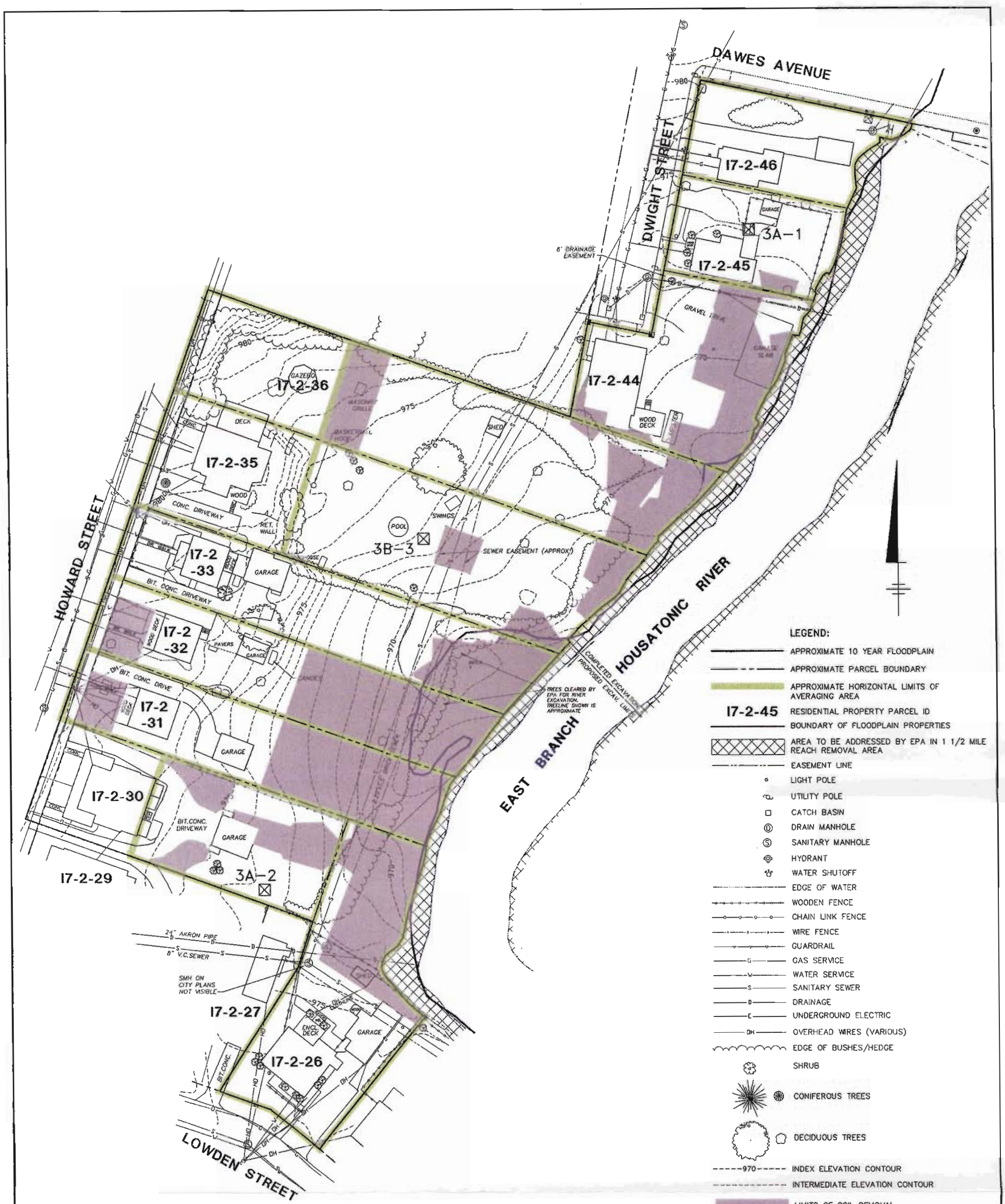
10.0 ACTION LEVELS

10.1 *PCBs*

The notification and action levels for PCB concentrations in ambient air are 0.05 $\mu g/m^3$ (24-hour average) and 0.1 $\mu g/m^3$ (24-hour average), respectively. These are the same levels established by EPA for the other remediation activities in Pittsfield. Any exceedance of the notification level will be immediately reported to the GE Project Manager.

10.2 *Particulate Matter*

For each day of monitoring, the particulate data from the on-site monitors will initially be compared with the data from the background monitor. If the average 10-hour PM_{10} concentration at any on-site monitor exceeds the average concentration at the background monitor, the on-site concentrations will then be compared with the notification level of 120 $\mu g/m^3$ (micrograms per cubic meter) -- which represents 80 percent of the current 24-hour National Ambient Air Quality Standard (NAAQS) for PM_{10} (150 $\mu g/m^3$). This level has been selected to allow notice to GE before concentrations reach the level of the 24-hour NAAQS. Any exceedances of the notification level or the NAAQS will be immediately reported to the GE Project Manager.



NOTES TO FIGURE:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE FROM SURVEY BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NUMBER GE1091-001-CX101-M, DATED 11/24/04. SURVEY DATA BASED UPON AN AERIAL PHOTOGRAMMETRIC SURVEY DONE IN APRIL 2001 AND SUPPLEMENTED WITH FIELD SURVEY DONE BETWEEN OCTOBER AND NOVEMBER 2004. FEATURES ON PARCEL 17-2-46 FROM WESTON SOLUTIONS, 2003.
2. UTILITIES ARE SHOWN IN AN APPROXIMATED WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN.
3. THE PARCELS SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PREMISES. ALL RIGHTS AND EASEMENT MAY NOT BE DEPICTED HEREON.
4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
RD/RA WORKPLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

GROUP 3A PROPOSED AMBIENT AIR PCB AND PARTICULATE MONITORING LOCATIONS

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE H-1

X: 40122X03.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL2B (PORTRAIT)
4/13/05 SYR-85-DMW LAF BGP
N/40122004/RDRA/3A3B/40122G33.DWG

LEGEND:

- APPROXIMATE 10 YEAR FLOODPLAIN
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE HORIZONTAL LIMITS OF AVERAGING AREA
- 17-3-9 RESIDENTIAL PROPERTY PARCEL ID
- BOUNDARY OF FLOODPLAIN PROPERTIES
- AREA TO BE ADDRESSED BY EPA IN 1 1/2 MILE REACH REMOVAL AREA
- AREA OF PRIOR EXCAVATION (TO DEPTHS RANGING BETWEEN 0.5 AND 1.25 FEET)
- EASEMENT LINE
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- DRAIN MANHOLE
- SANITARY MANHOLE
- HYDRANT
- WATER SHUTOFF
- EDGE OF WATER
- WOODEN FENCE
- CHAIN LINK FENCE
- WIRE FENCE
- GUARDRAIL
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- DRAINAGE
- UNDERGROUND ELECTRIC
- OVERHEAD WIRES (VARIOUS)
- EDGE OF BUSHES/HEDGE
- SHRUB
- CONIFEROUS TREES
- DECIDUOUS TREES
- 970 INDEX ELEVATION CONTOUR
- INTERMEDIATE ELEVATION CONTOUR
- LIMITS OF SOIL REMOVAL
- APPROXIMATE PROPOSED AMBIENT AIR PCB AND PARTICULATE MONITORING LOCATION

NOTES TO FIGURE:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE FROM SURVEY BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NUMBER GE1091-001-CX101-M, DATED 11/24/04. SURVEY DATA BASED UPON AN AERIAL PHOTOGRAMMETRIC SURVEY DONE IN APRIL 2001 AND SUPPLEMENTED WITH FIELD SURVEY DONE BETWEEN OCTOBER AND NOVEMBER 2004.
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4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
RD/RA WORKPLAN FOR THE GROUP 3A AND 3B FLOODPLAIN PROPERTIES

GROUP 3B
PROPOSED AMBIENT AIR PCB AND PARTICULATE MONITORING LOCATIONS

BBL BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE
H-2

X: 40122X03.DWG
L: ON=*, OFF=REF*
PI: PAGESET/PLT-DL2B (PORTRAIT)
4/13/05 SYR-05-DMW LAF BGP
N/40122004/RDRA/3A3B/40122G34.DWG